

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1	75-69-4	Trichlorofluoromethane	CFC13(CFC11)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
2	75-71-8	Dichlorodifluoromethane	CF2Cl2(CFC12)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
3	354-58-5	Trichlorotrifluoroethane	C2F3Cl3(CFC113a)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
4	1320-37-2 76-14-2	Dichlorotetrafluoroethane	2F4Cl2(CFC114)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
5	76-15-3	Monochloropentafluoroethane, chloropentafluoroethane(PRT R JAPAN)	C2F5Cl(CFC115)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
6	353-59-3	Bromotrifluoromethane	CF2BrCl(halon1211)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Fire extinguishant	Prohibited substance for ship recycle convention	REV5.1
7	75-63-8	Bromotrifluoromethane	CF3Br(halon1301)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Fire extinguishant	Prohibited substance for ship recycle convention	REV5.1
8	124-73-2	Dibromotetrafluoroethane	C2F4Br2(halon2402)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Fire extinguishant	Prohibited substance for ship recycle convention	REV5.1

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9	75-72-9	Chlorotrifluoromethane	CF3Cl(CFC13)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
10	354-56-3	Pentachlorofluoroethane	C2FCl5(CFC111)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
11	28605-74-5 76-12-0	Difluorotetrafluoroethane	C2F2Cl4(CFC112)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
12	422-78-6	Heptachlorofluoropropane	C3FCl7(CFC211)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
13	3182-26-1	Hexachlorodifluoropropane	C3F2Cl6(CFC212)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
14	2354-06-5	Pentachlorotrifluoropropane	C3F3Cl5(CFC213)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
15	29255-31-0	Tetrachlorotetrafluoropropane	C3F4Cl4(CFC214)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
16	1599-41-3	Trichloropentafluoropropane	C3F5Cl3(CFC215)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1

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17	661-97-2	Dichlorohexafluoropropane	C3F6Cl2(CFC216)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
18	422-86-6	Monochloroheptafluoropropane	C3F7Cl(CFC217)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
19	56-23-5	Carbon tetrachloride (Tetrachloromethane)	CCl4(CTC)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Solvent	management substance for REACH Prohibited substance for ship recycle	REV5.1
20	71-55-6	1,1,1-Trichloroethane (methyl chloroform)	1,1,1-TCCl3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Cleaning agents and paints	Prohibited substance for ship recycle convention	REV5.1
21	75-43-4	Dichlorodifluoromethane	CHF2Cl(HCFC21)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
22	75-45-6	Chlorodifluoromethane	CHF2Cl(HCFC22)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
23	593-70-4	Chlorofluoroethane	CH2FCl(HCFC31)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
24	134237-32-4	Tetrachlorofluoroethane	C2HFCl4(HCFC121)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1

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25	354-15-4	Trichlorodifluoroethane	C2HF2Cl3(HCF C122)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
26	34077-87-7	Dichlorodifluoroethane	C2HF3Cl2(HCF C123)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
27	306-83-2	2,2-dichloro-1,1,1-trifluoroethane	CHCl2CF3(HCF C123)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
28	63938-10-3	Chlorotetrafluoroethane	C2HF4Cl(HCFC 124)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
29	2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane	CHFClCF3(HCF C124)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
30	27154-33-2 134237-34-6	Trichlorofluoroethane	C2H2FC13(HCF C131)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
31	25915-78-0 431-06-1	Dichlorodifluoroethane	C2H2F2Cl2(HCFC132)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
32	1330-45-6	Chlorotrifluoroethane	C2H2F3Cl(HCF C133)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1

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33	25167-88-8	Dichlorofluoroethane	C2H3FCI2(HCF C141)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
34	1717-00-6	Chlorodifluoroethane	CH3CFCI2(HCF C141b)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
35	25497-29-4	Chlorodifluoroethane	C2H3F2CI(HCF C142)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
36	75-68-3	1-chloro-1,1-difluoroethane	CH3CF2CI(HCF C142b)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
37	110587-14-9	Chlorofluoroethane	C2H4FCI(HCFC 151)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
38	134237-35-7	Hexachlorofluoropropane	C3HFCl6(HCFC 221)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
39	422-49-1 116867-32-4 134237-36-8	Pentachlorodifluoropropane	1,1,1,3,3-Pentachloro-2,2-difluoropropane C3HF2Cl5(HCF C222)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
40	431-81-2 29470-95-9 134237-37-9	Tetrachlorotrifluoropropane	C3HF3Cl4(HCF C223)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1

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41	422-54-8 53063-53-9 134237-38-0	Trichlorotetrafluoropropane	C3HF4Cl3(HCF C224)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
42	127564-92-5	Dichloropentafluoropropane	C3HF5Cl2(HCF C225)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
43	422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane	CF3CF2CHCl2(HCF C225ca)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
44	507-55-1	1,3-dichloro-1,1,2,2,3-pentafluoropropane	CF2ClCF2CHClCF(HCF C225cb)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
45	422-57-1 134308-72-8 28987-04-4	Chlorohexafluoropropane	C3HF6Cl(HCF C226)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
46	421-94-3 127564-82-3 134190-48-0	Pentachlorofluoropropane	C3H2FCl5(HCF C231)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
47	460-89-9 134237-39-1	Tetrachlorodifluoropropane	C3H2F2Cl4(HCF C232)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
48	421-99-8 7125-83-9 61623-04-9 134237-40-4	Trichlorotrifluoropropane	C3H2F3Cl3(HCF C233)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	-	-	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1

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49	422-00-4 127564-83-4	Dichlorotetrafluoropropane	C3H2F4Cl2(HCFC234)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
50	422-02-6 460-92-4 28103-66-4 108662-83-5 134237-41-5	Chloropentafluoropropane	C3H2F5Cl(HCFC235)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
51	666-27-3 134190-49-1	Tetrachlorofluoropropane	C3H3FC14(HCFC241)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
52	460-63-9 1112-13-6 127564-90-3 134237-42-6	Trichlorodifluoropropane	C3H3F2Cl3(HCFC242)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
53	134237-43-7	Dichlorotrifluoropropane	C3H3F3Cl2(HCFC243)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
54	421-75-0 679-85-6 134190-50-4	Chlorotetrafluoropropane	C3H3F4Cl(HCFC244)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
55	818-99-5 134190-51-5	Trichlorofluoropropane	C3H4FC13(HCFC251)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
56	7126-15-0 134190-52-6	Dichlorodifluoropropane	C3H4F2Cl2(HCFC252)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1

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57	134237-44-8 421-47-6 46-35-5	Chlorotrifluoropropane	C3H4F3Cl(HCF C253)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
58	420-97-3 7799-56-6 127404-11-9 134237-45-9	Dichlorofluoropropane	C3H5FC12(HCF C261)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
59	420-99-5 421-02-3 102738-79-4 134190-53-7	Chlorodifluoropropane	C3H5F2Cl(HCF C262)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
60	420-44-0 430-55-7 134190-54-8	Chlorofluoropropane	C3H8FC1(HCFC 271)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant, solvent and foaming agent	Prohibited substance for ship recycle convention	REV5.1
61	1868-53-7	Dibromofluoromethane	CHFBr2, HBFC-21 B2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
62	1511-62-2	Bromodifluoromethane	CHF2Br(HBFC 22B1)	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant and solvent	Prohibited substance for ship recycle convention	REV5.1
63	373-52-4	Bromofluoroethane	CH2FBr	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
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65	—	Tribromodifluoroethane	C2HF2Br3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
66	—	Dibromotrifluoroethane	C2HF3Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
67	124-72-1	Bromotetrafluoroethane	C2HF4Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
68	—	Tribromofluoroethane	C2H2FBr3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
69	—	Dibromodifluoroethane	C2H2F2Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
70	421-06-7	Bromotrifluoroethane	C2H2F3Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerant Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
71	358-97-4	Dibromofluoroethane	C2H3FBr2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
72	359-07-9	Bromodifluoroethane	C2H3F2Br, HBC-142 B1	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
73	762-49-2	Bromofluoroethane	C2H4FBr	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Refrigerants, Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
74	—	Hexabromofluoropropane	C3HFBr6	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
75	—	Pentabromodifluoropropane	C3HF2Br5	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
76	—	Tetrabromotrifluoropropane	C3HF3Br4	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
77	—	Tribromotetrafluoropropane	C3HF4Br3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
78	—	Dibromopentafluoropropane	C3HF5Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
79	2252-78-0	Bromohexafluoropropane	C3HF6Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
80	—	Pentabromofluoropropane	C3H2FBr5	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines, chemical intermediates	Prohibited substance for ship recycle convention	REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
81	—	Tetrabromodifluoropropane	C3H2F2Br4	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
82	—	Tribromotrifluoropropane	C3H2F3Br3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
83	—	Dibromotetrafluoropropane	C3H2F4Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
84	—	Bromopentafluoropropane	C3H2F5Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
85	—	Tetrabromofluoropropane	C3H3FBr4	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
86	—	Tribromodifluoropropane	C3H3F2Br3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
87	—	Dibromotrifluoropropane	C3H3F3Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
88	—	Bromotetrafluoropropane	C3H3F4Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
89	—	Tribromofluoropropane	C3H4FBr3	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
90	—	Dibromodifluoropropane	C3H4F2Br2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
91	—	Bromotrifluoropropane	C3H4F3Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
92	—	Dibromofluoropropane	C3H5FBr2	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
93	—	Bromodifluoropropane	C3H5F2Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
94	—	Bromofluoropropane	C3H6FBr	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Medicines chemical intermediates	Prohibited substance for ship recycle convention	REV5.1
95	74-97-5	Chlorobromomethane	CH2BrCl, Halon-1011	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Fire extinguishant	Prohibited substance for ship recycle convention	REV5.1
96	74-83-9	Methyl bromide	CH3Br	P	0.0w% (Not content)	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	—	—	Agrichemical, fumigant	Prohibited substance for ship recycle convention	REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
97	1336-36-3	Polychlorinated biphenyl (PCB)		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Outdated transformer, insulating oil, etc.	Prohibited substance for ship recycle convention	REV5.1
98	38289-27-9	Polychloronaphthalene		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Plasticizer, machine oil, etc.	Managed substance for ship recycle convention	REV5.1
99	118-74-1	Hexachlorobenzene (HCB)		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Organic-synthesis material, pesticide and other materials		REV5.1
100	309-00-2	Aldrin		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
101	60-57-1	Dieldrin		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
102	72-20-8	Endrin		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
103	50-29-3	DDT (Dichlorodiphenyl-trichloroethane)p,p'-DDT		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
104	57-74-9	Chlordane		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, termite eliminator, etc.		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
105	56-35-9	Tributyl Tin Oxide (TBTO)		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Ship bottom paint, fishing net stain-proofing agent		REV5.1
106	15017-02-4	N,N'-dixylyl-p-phenylenediamine		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Rubber antioxidant, styrene-butadiene rubber		REV5.1
107	732-26-3	2,4,6-tri-tert-butylphenol		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Antioxidant, other processing additives (limited to those for lubricating oil and fuel oil.), lubricating oil		REV5.1
108	8001-35-2	Toxaphene (Polychlorinated camphenes)	Polychlorinated camphenes	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide, miticide (for farming and animal industry)		REV5.1
109	2385-85-5	Mirex	Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobuta(cd)pentalene,	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Flame retardant, pesticide, and ant killer for fireproofing agent, resin, rubber, paint, paper, textile, and		REV5.1
110	115-32-2	Kelthane	Dicofol	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Mite control agent		REV5.1
111	87-68-3	Hexachlorobuta-1,3-diene	PERCHLORBUADIENE	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Used mainly as an intermediate in the manufacture of rubber compounds. It is also used in the production		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
112	3846-71-7	2-(2H-1,2,3-benzotriazole-2-yl)-4, 6-di-tert-butylphenol	UV-320	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	UV Stabilizer in plastics for trim parts, etc.		REV5.1
113	1763-23-1	PFOS or that salt	perfluoro(octane-1-sulfonic acid); PFOS	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Water and oil repellent, detergent		REV5.1
114	2795-39-3	Perfluorooctane sulfonate potassium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Water and oil repellent, detergent		REV5.1
115	4021-47-0	Sodium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	-		REV5.1
116	29457-72-5	Perfluorooctane sulfonate lithium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	-		REV5.1
117	307-35-7	Perfluoro-1-octanesulfonyl fluoride		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Material for PFOS		REV5.1
118	608-93-5	Pentachlorobenzene		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Agrichemical, by-product material		REV5.1
119	319-84-6	α -Hexachlorocyclohexane		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	By-product material for linden		REV5.1

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120	319-85-7	β -Hexachlorocyclohexane		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	By-product material for linden		REV5.1
121	58-89-9	Linden	666;BBH;HGI;plk;HCH;HCCH;Bexol;Kwell;ta p85;Viton	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
122	143-50-0	Chlordane		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Agrichemical, pesticide		REV5.1
123	59536-65-1	Hexabromodiphenyl		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	—	—	Flame retardant	EU REACH Regulations Annex XVII (restricted the usage and applications) Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into	REV5.1
124	5436-43-1	Tetrabromodiphenyl ether		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Flame retardant		REV5.1
125	32534-81-9	Pentabromodiphenyl ether	(Penta-BDE)	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Flame retardant		REV5.1

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126	31153-30-7	Hexabromodiphenyl ether		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Flame retardant		REV5.1
127	68928-80-3	Heptabromodiphenyl ether		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Flame retardant		REV5.1
128	68631-49-2 207122-15-4	2,2,4,4,6,6-Hexabromodiphenyl ether	2,2',4,4',6,6'-HEXABDE (BDE-155)	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Flame retardant		REV5.1
129	446255-22-7 207122-16-5	2,2',3,4,4',5,6'-HEPTABROMODIPHENYL ETHER	PBDE 183,	P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Flame retardant		REV5.1
130	7723-10-4	Yellow phosphorus (match)		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Firelighter		REV5.1
131	92-87-5 other	Benzidine and salt Benzidine and derivatives		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Dyeing intermediate and rubber curing agent	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
132	36341-27-2	Benzidine acetate		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
133	531-86-2	Benzidine salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1

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134	21136-70-9	Benzidine sulphate		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
135	67632-50-2	Benzidine, Ni(2+) salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
136	531-85-1	[1,1'-Biphenyl]-4,4'-diamine, dihydrochloride		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
137	70146-07-5	[1,1'-Biphenyl]-4,4'-diamine, 2,2'-dichloro-, sulfate (1:1)		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
138	27336-24-9	4,4'-Diaminodiphenyl-2,2'-disulfonic acid disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
139	8004-59-9	Acid Black 7		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
140	3567-65-5	C.I. Acid red 85		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
141	2429-83-6	C.I. Direct black 4, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
142	2429-73-4	C.I. Direct blue 2, trisodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
143	3811-71-0	C.I. Direct brown 1		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
144	2429-82-5	C.I. Direct brown 2, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
145	6360-54-9	C.I. Direct brown 154		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
146	2429-81-4	C.I. Direct brown 31, tetrasodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
147	3476-90-2	C.I. Direct brown 59, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
148	2893-80-3	C.I. Direct brown 6, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
149	3626-28-6	C.I. Direct green 1, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
150	4335-09-5	C.I. Direct green 6, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
151	5422-17-3	C.I. Direct green 8, trisodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
152	2429-84-7	C.I. Direct red 1, disodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
153	573-58-0	C.I. Direct red 28		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
154	3530-19-6	C.I. Direct red 37		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
155	6426-67-1	C.I. Direct violet 22, trisodium salt		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
156	13164-93-7	Direct Orange 1		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1
157	2429-79-0	Benzoic acid, 5-[[4'-(1-amino-4-sulfo-2-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applicatio	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
158	8014-91-3	Benzoic acid, 3,3'-[(3,7-disulfo-1,5-naphthalenediyl)bisazo(6-hydroxy-3,1-phenylene)azo[6(or 7)-sulfo-4,1-naphthalenediyl]azo[1,1'-biphenyl]-4,4'-divlazo]]bis[6-		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applications)	REV5.1
159	—	Salts from 3,3'-Dimethoxybenzidine		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applications)	REV5.1
160	74220-10-3	Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycollate		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	-	-	Benzidine, the salt benzidine, and the conductor	EU REACH Regulations Annex XVII (restricted the usage and applications)	REV5.1
161	92-67-1 Others	4-aminodiphenyl and salt Biphenyl-4-amine		P	0.0w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	-	-	Dyeing intermediate	EU REACH Regulations Annex XVII (restricted the usage and applications) (0.1w%)	REV5.20
162	1332-21-4	Asbestos		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	-	Building	Gasket, brake, building materials	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
163	12001-28-4	Crocidolite		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	Building materials	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited Prohibited	REV5.1
164	12172-73-5	Amosite		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	—	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited Prohibited	REV5.1
165	77536-67-5	Anthophyllite		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	—	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited Prohibited	REV5.1
166	77536-66-4	Actinolite		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	—	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited Prohibited	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
167	12001-29-5	Tremolite		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	—	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited	REV5.1
168	132207-32-0	Chrysotile		P	prohibited in the usage and the production(0.1 W% or less in the exception a part of usage)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Building	—	EU REACH Regulations Annex XVII (restricted the usage and applications) Added intentionally shall be prohibited	REV5.1
169	92-93-3 others	4-Nitrodiphenyl and salt		P	0.0w% (Not content)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	—	Dyeing intermediate	EU REACH Regulations Annex XVII (Restricted the usage and applications. Shall not be placed on the market, or used, as substances or in mixtures in concentrations	REV5.1
170	542-88-1	bis (chloro methyl) ether	BCME	P	0.0w% (Not content)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	—	surface treatment of vulcanized rubber to increase adhesion, and in the manufacture of flame-		REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
171	91-59-8 others	b-naphthylamine and salt 2-naphthylamine		P	0.0w% (Not content)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	—	Dyeing intermediate	EU REACH Regulations Annex XVII (Restricted the usage and applications. Shall not be placed on the market, or used, as substances or in mixtures in concentrations	REV5.1
172	—	Benzene (more than 5%) inclusion rubber cement		P	0.0w% (Not content)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	Adhesive	Adhesive		REV5.1
173	—	Preparations and other things containing more than 1% the production of banned substances or kind asbestos containing more than 0.1% except the yellow phosphorus matches the benzene-containing		P	0.0w% (Not content)	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17)	—	—	Building materials gasket		REV5.1
174	7439-92-1 others	lead and compounds		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, metals and gasu injector	Battery, solder and glass	There are some applications excluded from applicability Managed substance for ship recycle	REV5.1
175	—	lead compounds		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, metals and gasu injector		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
176	94246-92-1	(2-Ethylhexanoato-o)(isodecanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
177	94246-91-0	(2-Ethylhexanoato-o)(isononanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
178	94246-90-9	(2-Ethylhexanoato-o)(isooctanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
179	94246-93-2	(2-Ethylhexanoato-o)(neodecanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
180	94246-86-3	(Isodecanoato-o)(isononanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
181	94246-85-2	(Isodecanoato-o)(isooctanoato-o)lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
 *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced										
CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
182	94246-87-4	(Isodecanoato - O)(neodecanoato-O)lead	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
183	94246-84-1	(Isononanoato - O)(isooctanoato-O)lead	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
184	94481-58-0	(Isononanoato - O)(neodecanoato-O)lead	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
185	93894-64-5	(Neononanoato - O)(neoundecanoato-O)lead	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
186	68901-12-2	.alpha.-D-Glucopyranose, 1-(dihydrogen phosphate), lead salt	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
187	84837-22-9	[.mu.-(4,6-Dinitroresorcinolato(2-)-O1,O3)]dihydroxydilead	P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
 *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
188	94015-57-3	[.mu.-[[5,5'-Azobis[1H-tetrazolato]](2-)]dihydroxydilead		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
189	14450-60-3	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
190	512-26-5	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
191	6107-83-1	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3), trihydrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
192	18608-34-9	1,2-Benzenedicarboxylic acid, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
193	90193-83-2	1,2-Benzenedicarboxylic acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gas injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
194	12275-07-9	1,3,5,7,9-Pentaoxa-2,4,6,8,10,12-hexaazabicyclo[3.3.1]nonane-11-dione, (Z)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
195	54554-36-8	1,3,5-Triazine-2,4,6-trione, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
196	70268-38-1	1,3-Benzenediol, nitro-, lead(2+) salt (1:1)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
197	68901-11-1	2,4-Cyclohexadiene-1,3,5-trihydroxy-4,6-bis(3-methyl-2-butenyl)-2-(3-methyl-2-oxobutyl)-, lead salt, (R)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
198	13698-55-0	2-Butenedioic acid (E)-, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
199	90268-59-0	2-Butenedioic acid (E)-, lead(2+) salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
200	90268-66-9	2-Butenedioic acid (Z)-, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
201	90552-19-5	2-Propenoic acid, 2-methyl-, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
202	68155-47-5	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) bis(2-methyl-2-propenoate) and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-(2-methyl-1-oxo-2-propenyl)oxyl		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
203	51105-45-4	3-(Triphenylplumbyl)-1H-pyrazole		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
204	19651-80-0	7,11-Metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplobicyclododecine, 5,5,13,13-tetrahydro-4,5-dihydro-4,8,10,15-tetranitro-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
205	97952-39-1	7-Methyloctanoic acid, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
206	90388-15-1	9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
207	15347-55-4	9-Octadecenoic acid (Z)-, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
208	90459-88-4	9-Octadecenoic acid (Z)-, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
209	51404-69-4	Acetic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
210	2587-82-8	Acetoxytributylplumbane		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
211	5711-19-3	Acetoxytrimethylplumbane		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
212	1162-06-7	Acetoxytriphenylplumbane		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
213	12608-25-2	Basic lead sulfite		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
214	84961-75-1	Benzenesulfonic acid, 4-(C10-13-sec-alkyl derivatives, lead(2+) salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
215	17549-30-3	Bis(diethyldithiocarbamate-S,S')lead		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
216	62451-77-8	Bis(o-acetoxybenzoato)lead		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
217	15282-88-9	Bis(pentane-2,4-dionato-O,O')lead		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
218	65229-22-3	Bismuth lead ruthenium oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
219	12048-28-1	Bismuth, compound with lead (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
220	815-84-9	Butanedioic acid, 2,3-dihydroxy-[R-(R*,R*)]-, lead(2+) salt (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
221	93892-65-0	Carbamodithioic acid, ethylphenyl-, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
222	598-63-0	Leadcarbonate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH Regulations Annex XVII (restricted the	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool	Paints	Lead compound (Convert it into equivalent lead).	REV5.1
223	25510-11-6	Carbonic acid, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
224	68604-05-7	Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
225	1520-78-1	Chlorotrimethylplumbane		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
226	1153-06-6	Chlorotriphenylplumbane		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
227	215-693-7 1344-37-2	Chrome yellow (Lead chromate pigment)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool	Paints, coating agent's pigments, and plastic colorant, print, and bleach	Lead compound (Convert it into equivalent lead).	REV5.1
228	8012-00-8	Pyrochlore, antimony lead yellow		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
229	11119-70-3	Chromium lead oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
230	116565-74-3	Chromium lead oxide sulfate, silica-modified		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
231	68411-07-4	Copper, .beta.-resorcylate salicylate lead complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
232	62637-99-4	Cyclohexanebutanoic acid, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
233	90342-24-8	Decanoic acid, branched, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
234	20403-42-3	Decanoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
235	6928-68-3	Diacetoxydiph enylplumbane		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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236	109707-90-6	Diamyldithiocarbamate, lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
237	16450-50-3	Diantimony lead tetroxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
238	56189-09-4	Dibasic lead stearate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
239	11116-83-9	Dibismuth dilead tetraruthenium tridecaoxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
240	12017-86-6	Dilead chromate dihydroxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
241	37240-96-3	Dilead dirhodium heptaoxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
242	2117-69-3	Diphenyllead dichloride		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
243	2388-00-3	Diplumbane, hexaethyl-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
244	3124-01-4	Diplumbane, hexaphenyl-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
245	3249-61-4	Docosanoic acid, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
246	90342-56-6	Dodecanoic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
247	15773-55-4	Dodecanoic acid, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
248	68131-60-2	Fatty acids, C12-18, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
249	93165-26-5	Fatty acids, C14-26, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
250	91031-62-8	Fatty acids, C16-18, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
251	84776-54-5	Fatty acids, C18-24, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
252	125328-49-6	Fatty acids, C4- 20- branched, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
253	91002-20-9	Fatty acids, C6- 19- branched, lead salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
254	91031-61-7	Fatty acids, C8-10, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
255	85049-42-9	Fatty acids, C8-10-branched, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
256	68409-79-0	Fatty acids, C8-10-branched, lead salts, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
257	84776-53-4	Fatty acids, C8-12, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
258	84776-36-3	Fatty acids, C8-18 and C18-unsaturated, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
259	91031-60-6	Fatty acids, C8-9, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
260	81412-57-9	Fatty acids, C9-11-branched, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
261	91697-36-8	Fatty acids, castor-oil, hydrogenated, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
262	92044-89-8	Fatty acids, coco, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
263	61788-53-2	Fatty acids, tall-oil, lead manganese salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
264	61788-54-3	Fatty acids, tall-oil, lead salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
265	94349-78-7	Fatty acids, tallow, reaction products with lead oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
266	70514-05-5	Flue dust, lead blast furnace		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
267	7056-83-9	Formic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
268	68989-89-9	Gilsonite, polymer with linseed oil, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
269	22904-40-1	Glycine, N,N ⁷ -1,2-ethanediybis[N-(carboxymethyl)-, lead(2+) sodiumsalt (1:1:2)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
270	12029-23-1	Hafnium lead trioxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
271	94006-20-9	Hexacosanoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
272	90388-09-3	Hexadecanoic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
273	90388-10-6	Hexadecanoic acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
274	301-08-6	Hexanoic acid, 2-ethyl-, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
275	23621-79-6	Hexanoic acid, 3,5,5-trimethyl-, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
276	71753-04-3	Hydroxy(neodecanoato-O)lead		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
277	12023-90-4	Iron lead oxide (Fe12PbO19)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
278	90431-14-4	Isodecanoic acid, lead salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
279	91671-82-8	Isodecanoic acid, lead(2+) salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
280	27253-41-4	Isononanoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
281	90431-21-3	Isononanoic acid, lead salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
282	64504-12-7	Isooctanoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
283	90431-26-8	Isooctanoic acid, lead salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
284	91671-83-9	Isooctanoic acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
285	91671-84-0	Isoundecanoic acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
286	15306-30-6	Lauric acid, lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
287	69029-71-6	Leach residues, lead slag		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
288	6080-56-4	Lead (II) acetate, trihydrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
289	35029-96-0	Lead (II) methylthiolate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced										
CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
290	546-67-8	Lead (IV) acetate	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
291	65127-78-8	Lead 12-hydroxyoctadecanoate	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
292	16646-00-7	Lead 198	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
293	27486-00-6	Lead 199	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
294	20936-32-7	Lead 2,4-dihydroxybenzoate	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
295	16645-99-1	Lead 200	P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
296	17239-87-1	Lead 201		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
297	15752-86-0	Lead 202		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
298	14687-25-3	Lead 203		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
299	14119-28-9	Lead 205		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
300	14119-30-3	Lead 209		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
301	14255-04-0	Lead 210		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
302	15816-77-0	Lead 211		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
303	15092-94-1	Lead 212		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
304	15067-28-4	Lead 214		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
305	16996-40-0	Lead 2-ethylhexoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
306	93839-98-6	Lead 3-(acetamido)phthalate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
307	60580-60-1	Lead 5-nitroterephthalate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
308	15347-57-6	Lead acetate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
309	14466-01-4	2-Propenoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
310	69011-59-2	Lead alloy, dross		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
311	69011-60-5	Lead alloy, Pb,Sn, dross		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
312	13510-89-9	Lead antimonate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
313	12266-38-5	Lead antimonide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
314	232-064-2 7784-40-9	Lead arsenate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool	insect chemosterilant wood treatment	Lead compound (Convert it into equivalent lead).	REV5.1
315	10102-48-4	Lead arsenate (Pb3(AsO4)2)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
316	7645-25-2	Lead arsenate, unspecified		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
317	10031-13-7	Lead arsenite		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
318	15907-04-7	Lead benzoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
319	58405-97-3	Lead bis(12-hydroxystearate)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
320	93840-04-1	Lead bis(2-ethylhexanoate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
321	35837-70-8	Lead bis(3,5,5-trimethylhexanoate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
322	85392-78-5	Lead bis(5-oxo-DL-prolinate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
323	85392-77-4	Lead bis(5-oxo-L-prolinate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
324	52847-85-5	Lead bis(isononanoate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
325	93965-29-8	Lead bis(isoundecanoate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
326	72586-00-6	Lead bis(nonylphenolate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
327	41556-46-1	Lead bis(piperidine-1-carbodithioate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
328	84394-98-9	Lead bis(p-octylphenolate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
329	85865-91-4	Lead bis(tetracosylbenzenesulphonate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
330	93966-37-1	Lead bis(tricosanoate)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
331	85865-92-5	Lead bis[didodecylbenzenesulphonate]		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
332	14720-53-7	Lead borate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
333	41453-50-3	Lead b-resorcyate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
334	10031-22-8	Lead bromide (PbBr2)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
335	7758-95-4	Lead chloride		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
336	12612-47-4	Lead chloride (V.A.N.)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
337	12205-72-0	Lead chloride oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
338	11113-70-5	Lead chromate silicate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
339	69011-07-0	Lead chromate silicate (Pb3(CrO4)(SiO4))		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
340	51899-02-6	Lead chromate sulfate (Pb9(CrO4)5(SO4)4)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
341	20890-10-2	Lead cyanamidate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
342	35112-70-0	Lead cyanamide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
343	20837-86-9	Lead cyanamide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
344	592-05-2	Lead cyanide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
345	873-54-1	Lead dibenzoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
346	34018-28-5	Lead dibromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
347	65119-94-0	Lead dibutanolate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
348	819-73-8	Lead dibutyrate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
349	29597-84-0	Lead didocosanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
350	15773-53-2	Lead dihexanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
351	18917-82-3	Lead dilactate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
352	33627-12-2	Lead dilinoleate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
353	19010-66-3	Lead dimethyldithio carbamate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
354	32112-52-0	Lead dimyristate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
355	15773-56-5	Lead dipalmitate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
356	10294-58-3 7446-27-7	Lead diposphinate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
357	814-70-0	Lead dipropionate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
358	13767-78-7	Lead disulphamide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
359	12137-74-5 1314-87-0	Lead disulphide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
360	94232-40-3	Lead diundec-10-enoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
361	13814-96-5	Lead fluoborate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
362	7783-46-2	Lead fluoride		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
363	97889-90-2	Lead fluoride hydroxide		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
364	25808-74-6	Lead fluorosilicate		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
365	811-54-1	Lead formate		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
366	12435-47-1	Lead germanate		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
367	1310-03-8	Lead hexafluorosilicate		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
368	19783-14-3	Lead hydroxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
369	1311-11-1 39345-91-0	Lead hydroxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
370	12268-84-7	Lead hydroxide nitrate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
371	87903-39-7	Lead hydroxysalicylate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
372	94266-32-7	Lead icosanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
373	94266-31-6	Lead icosanoate (1:2)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
374	25659-31-8	Lead iodate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
375	10101-63-0	Lead iodide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
376	38787-87-0	Lead isophthalate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
377	16996-51-3	Lead linoleate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
378	816-68-2	Lead malate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
379	19136-34-6	Lead maleate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
380	1068-61-7	Lead methacrylate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
381	52609-46-8	Lead methacrylate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
382	10190-55-3	Lead molybdate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
383	1317-36-8	Lead monoxide	Lead(II)oxide	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
384	20403-41-2	Lead myristate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
385	50825-29-1	Lead naphthalate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
386	61790-14-5	Lead naphthenate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
387	12034-88-7	Lead neobate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
388	27253-28-7	Lead neodecanoate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
389	10099-74-8	Lead nitrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
390	51317-24-9	Lead nitroresorcinate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
391	1120-46-3	Lead oleate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
392	814-93-7	Lead oxalate		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
393	1335-25-7	Lead oxide		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
394	1314-27-8	Lead trioxide		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
395	12059-89-1	Lead oxide (Pb2O)		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
396	68411-78-9	Lead oxide (PbO), lead-contg.		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
397	69029-53-4	Lead oxide (PbO), retort		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
398	12141-20-7	Lead oxide phosphonate (Pb3O2(HPO3))		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
399	1344-40-7	Lead oxide phosphonate, hemihydrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
400	12765-51-4	Lead oxide sulfate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
401	12036-76-9	Lead oxide sulfate (Pb2O(SO4))		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
402	12202-17-4	Lead oxide sulfate (Pb4O3(SO4))		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
403	12065-90-6	Lead oxide sulfate (Pb5O4(SO4))		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
404	19528-55-3	Lead palmitate	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
405	93966-74-6	Lead pentadecanoate	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
406	13637-76-8	Lead perchlorate	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
407	1309-60-0	Lead peroxide	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
408	16183-12-3	Lead phthalate	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
409	6838-85-3	Lead phthalate	P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
410	25721-38-4	Lead picrate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
411	42558-73-6	Lead propionate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
412	13453-66-2	Lead pyrophosphate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
413	37194-88-0	Lead ruthenium oxide (PbRuO3)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
414	29473-77-6	Lead sebacate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
415	7446-15-3	LEAD(II) SELENATE		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
416	12069-00-0	Lead selenide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
417	7488-51-9	Lead selenite		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
418	11120-22-2	Lead silicate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
419	22569-74-0	Lead silicate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
420	13566-17-1	Lead silicate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
421	12687-78-4	Lead silicate sulfate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
422	67711-86-8	Lead silicate sulfate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
423	68784-75-8	Silicic acid, barium salt, lead-doped		M	0.1wt%	EU REACH Regulations SVHC				management substance for REACH	5.20版
424	7428-48-0	Lead stearate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
425	52652-59-2	Lead stearate dibasic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
426	63918-97-8	Lead styphnate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
427	1191-18-0	Lead succinate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
428	12397-06-7	Lead sulfate, tribasic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
429	1314-87-0	Lead sulfide (PbS)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
430	116565-73-2	Lead sulfomolybdicromate, silica encapsulated		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
431	12065-68-8	Lead tantalate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
432	1314-91-6	Lead telluride		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
433	13845-35-7	Lead tellurite		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
434	93966-38-2	Lead tetracosanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
435	1314-41-6	Lead tetraoxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
436	592-87-0	Lead thiocyanate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
437	13478-50-7	Lead thiosulfate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
438	12036-31-6	Lead tin oxide (PbSnO3)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
439	12060-00-3	Lead titanium oxide (PbTiO3)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
440	12626-81-2	Lead titanium zirconium oxide (Pb(Ti,Zr)O3)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
441	7759-01-5	Lead tungsten oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
442	12737-98-3	Lead tungsten oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
443	85536-79-4	Lead uranate pigment		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
444	10099-79-3	Lead vanadate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
445	12060-01-4	Lead zirconate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
446	13094-04-7	Lead(2+) (R)-12-hydroxyoleate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
447	93858-24-3	Lead(2+) (Z)-hexadec-9-enoate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
448	13406-89-8	Lead(2+) 2,4-dinitroresorcinolate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
449	85292-77-9	Lead(2+) 4-(1,1-dimethylethyl)benzoate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
450	93858-23-2	Lead(2+) 4,4'-isopropylidene bisphenolate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
451	65121-76-8	Lead(2+) 4,6-dinitro- <i>o</i> -cresolate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
452	867-47-0	Lead(2+) acrylate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
453	15773-52-1	Lead(2+) decanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
454	63399-94-0	Lead(2+) heptadecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
455	95892-13-0	Lead(2+) isoheptadecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
456	70727-02-5	Lead(2+) iso-octadecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
457	71684-29-2	Lead(2+) nonadecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
458	93894-48-5	Lead(2+) nonacosanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
459	93894-49-6	Lead(2+) neoundecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
460	7319-86-0	Lead(2+) octanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
461	7717-46-6	Lead(4+) stearate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
462	71686-03-8	Lead(II) fumarate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
463	84852-34-6	Lead(II) isodecanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
464	93981-67-0	Lead(II) isooctanoate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
465	17406-54-1	Lead(II) maleate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
466	7783-59-7	Lead(IV) fluoride		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
467	79357-62-3	Lead, (2-methyl-4,6-dinitrophenolato-(O)-(nitratooxodi-, monohydrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
468	17976-43-1	Lead, [1,2-benzenedicarboxylato(2-)-O(1:O2)]di-oxotri-, cyclo-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
469	69011-06-9	Lead, [1,2-benzenedicarboxylato(2-)]dioxotri-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
470	57142-78-6	Lead, [1,2-benzenedicarboxylato(2-)]oxodi-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
471	15187-16-3	Lead, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
472	90431-30-4	Lead, 2-ethylhexanoate isodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
473	90431-31-5	Lead, 2-ethylhexanoate isononanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
474	90431-32-6	Lead, 2-ethylhexanoate isooctanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
475	90431-33-7	Lead, 2-ethylhexanoate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
476	90431-34-8	Lead, 2-ethylhexanoate naphthenate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
477	90431-35-9	Lead, 2-ethylhexanoate neodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
478	68187-37-1	Lead, 2-ethylhexanoate tall-oil fatty acids complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
479	70513-89-2	Lead, alkyls, manufacturing wastes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
480	69029-50-1	Lead, antimonial		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
481	69029-51-2	Lead, antimonial, dross		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
482	15748-73-9	Lead, bis(2-hydroxybenzoato-O1,O2)-, (T-4)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
483	36501-84-5	Lead, bis(dipentylcarbamodithioato-S,S')-, (T-4)-	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
484	75790-73-7	Lead, bis(diphenylcarbamodithioato-S,S')-, (T-4)-	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
485	12565-18-3	Lead, bis(octadecanato)dioxtri-	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
486	12578-12-0	dioxobis(stearato)trilead	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
487	97808-88-3	Lead, bullion	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
488	79803-79-5	Lead, C3-13-fatty acid naphthenate complexes	P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
489	84067-00-5	Lead, C4-10-fatty acid naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
490	92200-92-5	Lead, C4-10-fatty acid octanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
491	84066-98-8	Lead, C5-23-branched carboxylate C4-10-fatty acid complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
492	83711-45-9	Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
493	83711-46-0	Lead, C5-23-branched carboxylate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
494	83711-47-1	Lead, C5-23-branched carboxylate naphthenate octanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
495	84066-99-9	Lead, C5-23-branched carboxylate octanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
496	70084-67-2	Lead, C6-19-branched carboxylate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
497	90431-28-0	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
498	90431-27-9	Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
499	125494-56-6	Lead, C9- 28-neocarboxylate 2-ethylhexanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
500	70321-55-0	Lead, decanoate octanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
501	96471-22-6	Lead, di-mu-hydroxy(2-methyl-4,6-dinitrophenolato-(O)di-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
502	12403-82-6	Lead, dihydroxy[2,4,6-trinitro-1,3-benzenediolato(2-)]di-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
503	69029-52-3	Lead, dross		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
504	69029-45-4	Lead, dross, antimony-rich		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
505	69029-46-5	Lead, dross, bismuth-rich		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
506	69227-11-8	Lead, dross, copper-rich		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
507	100656-49-3	Lead, dross, vanadium-zinc-containing		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
508	90431-36-0	Lead, isodecanoate isononanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
509	90431-37-1	Lead, isodecanoate iso-octanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
510	90431-38-2	Lead, isodecanoate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
511	101012-92-4	Lead, isodecanoate naphthenate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
512	90431-39-3	Lead, isodecanoate neodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
513	84929-94-2	Lead, isononanoate isooctanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
514	84929-97-5	Lead, isononanoate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
515	90431-40-6	Lead, isononanoate naphthenate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
516	90431-41-7	Lead, isononanoate neodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
517	68515-80-0	Lead, isooctanoate naphthenate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
518	90431-42-8	Lead, isooctanoate naphthenate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
519	101013-06-3	Lead, isooctanoate neodecanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
520	84929-95-3	Lead, isooctanoate neodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
521	90431-43-9	Lead, naphthenate neodecanoate complexes		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
522	84929-96-4	Lead, naphthenate neodecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
523	90431-44-0	Lead, neonoanoate neoundecanoate complexes, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
524	94551-60-7	Lead, zinc dross		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
525	68990-75-0	Linseed oil, polymer with tung oil, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
526	68152-99-8	Linseed oil, reaction products with lead oxide (Pb3O4) and mastic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
527	17570-76-2	Methanesulfonic acid, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.11
528	63568-30-9	Naphthalenesulfonic acid, diisononyl-, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management Substance for REACH. Lead compound (Convert it into equivalent lead).	REV5.1
529	61867-68-3	Naphthalenesulfonic acid, dinonyl-, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
530	91078-81-8	Naphthenic acids, lead (2+) salts		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
531	61788-52-1	Naphthenic acids, lead manganese salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
532	92045-67-5	Naphthenic acids, lead salts, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
533	90459-25-9	Neodecanoic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
534	90459-26-0	Neononanoic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
535	90459-28-2	Neoundecanoic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
536	97953-08-7	Nitric acid, lead(2+) salt, reaction products with sodium tin oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
537	13826-65-8	Nitrous acid, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
538	90459-51-1	Octadecanoic acid, lead salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
539	90459-52-2	Octadecanoic acid, lead(2+) salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
540	52080-60-1	Octadecanoic acid, lead(2+) salt, tribasic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
541	15696-43-2	Octanoic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
542	35498-15-8	Orthoboric acid, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
543	99749-31-2	Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
544	67674-14-0	Petrolatum, petroleum, oxidized, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
545	50319-14-7	Phenol, 2-methyldinitro-, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
546	68586-21-0	Phenol, dodecyl-, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
547	122332-23-4	Phenol, tetrapropylene-, lead(2+) salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
548	16038-76-9	Phosphonic acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
549	53807-64-0	Phosphonic acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
550	24824-71-3	Phosphonic acid, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
551	13453-65-1	Phosphonic acid, lead(2+) salt (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
552	15521-60-5	Phosphonic acid, lead(2+) salt (2:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
553	15845-52-0	Phosphoric acid, lead(2+) salt (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
554	93925-27-0	Phosphoric acid, mixed butyl and hexyl diesters, lead(2+) salts		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
555	20383-42-0	Phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
556	91783-10-7	Phosphorodithioic acid, mixed O,O-bis(bu and pentyl) esters, lead(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
557	1067-14-7	Plumbane, chlorotriethyl-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
558	1762-27-2	Plumbane, diethyldimethyl-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
559	68610-17-3	Plumbane, ethyl methyl derivatives		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
560	1762-26-1	Plumbane, ethyltrimethyl-		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
561	1920-90-7	Plumbane, tetrabutyl-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
562	14846-40-3	Plumbane, tetrakis(1-methylethyl)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
563	65151-08-8	Plumbane, tetrakis(1-methylpropyl)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
564	1762-28-3	Plumbane, triethylmethyl-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
565	12034-30-9	Plumbate (PbO22-), disodium		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
566	12013-69-3	Plumbate (PbO44-), calcium (1:2), (T-4)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
567	12372-45-1	Potassium pentadecaoxid iplumbatepent aniobate(1-)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
568	102110-49-6	Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
569	6107-93-3	Salicylate, lead (II)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
570	100402-96-8	Silicic acid (H2sio3), calcium salt (1:1), lead and manganese-doped		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
571	10099-76-0	Silicic acid (H2SiO3), lead(2+) salt (1:1)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
572	15906-71-5	Silicic acid (H4SiO4), lead salt		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
573	102110-36-1	Silicic acid, calcium salt, lead and manganese-doped		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
574	68130-19-8	Silicic acid, lead nickel salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
575	70514-37-3	Slimes and sludges, lead sinter dust scrubber		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
576	93821-72-8	Speiss, lead-zinc		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
577	42579-89-5	Sulfuric acid, barium lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
578	99328-54-8	Sulfuric acid, barium salt (1:1), lead-doped		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
579	52732-72-6	Sulfuric acid, lead salt, tetrabasic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
580	90583-07-6	Sulfuric acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
581	52231-92-2	Sulfurous acid, lead salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
582	62229-08-7	Sulfurous acid, lead salt, dibasic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Management substance for REACH Lead compound (Convert it into equivalent lead).	REV5.20
583	90583-37-2	Sulfurous acid, lead(2+) salt, basic		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
584	7446-10-8	Sulfurous acid, lead(2++) salt (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
585	15851-47-5	Telluric acid (H ₂ TeO ₃), lead(2+) salt (1:1)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
586	90583-65-6	Tetradecanoic acid, lead salt, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
587	595-89-1	Tetraphenyllead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
588	3440-75-3	Tetrapropyl lead		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
589	26265-65-6	Thiosulphuric acid, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
590	39412-44-7	Lead/Tin alloy		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
591	51325-28-1	Trinitrophenol, lead salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
592	61789-50-2	Naphthenic acid, cobalt lead manganese salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
593	1344-36-1	Lead, bis(carbonato(2-))dihydroxytri		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
594	10214-39-8	Boric acid (HBO2), lead(2+) salt, monohydrate (8CI, 9CI)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
595	68603-83-8	Fatty acids, C6-19-branched, lead salts, basic		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1
596	78690-68-3	Pigment Lightfast Lead-Molybdate Orange OS (9CI)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	paints, pigments, ink, generator, solder, bearings, metals, gasu injector and others	paints, pigments, ink, generator, solder, bearings, label and tool		Lead compound (Convert it into equivalent lead).	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced											
CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
597	7439-97-6 others	Mercury and compounds	P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	bar mercury thermometers and inclination switch	manometer, battery and measuring instrument	Battery, catalyst and back light, solder and glass Amalgam, measuring instrument	There are some applications excluded from applicability The thermometer and manometric are restricted the applications of REACH ANNEX XVII from 2014.4.10 Managed substance for ship	REV5.12	
598	52795-88-7	(2-Carboxym-tolyl)hydroxymercury, monosodium salt	P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12	
599	14066-61-6	(2-Carboxyphenyl)hydroxymercury	P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12	
600	109-62-6	(Acetato-Oethylmercury	P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12	

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
601	108-07-6	(Acetato-O)methylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
602	3294-58-4	(Bromodichloromethyl)phenylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
603	27360-58-3	(Dihydroxyphenyl)phenylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
604	18918-06-4	(Lactato-O1,O2)mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
605	2701-61-3	(Maleoyldioxy) bis[phenylmercury]		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
606	31224-71-2	(Metaborato-O)phenylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
607	2279-64-3	(Phenylmercurio)urea		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
608	61792-06-1	[(2-Hydroxyethylamino)phenylmercury acetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
609	94070-92-5	[.mu.-[(Oxydiethylene but-2-enedioato)(2-)]diphenyldimercury	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
610	93882-20-3	[.mu.-[[4,4*(Oxydiethylene) bis(dodecenylysuccinato)](2-)]diphenyldimercury	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
611	19367-79-4	[.mu.-[Metasilicato(2-)-O:O]]bis(2-methoxyethyl) dimercury	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
612	6273-99-0	[.mu.-[Orthoborato(2-)-O:O*]]diphenyl dimercury	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
613	23319-66-6	[2,2',2''-Nitrilotri(ethanol)-N,O,O',O'']phenylmercury lactate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
614	27605-30-7	[2-Ethylhexyl hydrogen maleato-O']phenylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
615	5722-59-8	[Benzoato(2-)-C2,O1]mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
616	31632-68-5	[Naphthoato(1-)-O]phenylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
617	148-61-8	2-(Ethylmercuriothio)benzoic acid		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
618	124-08-3	2-Ethoxyethylmercury acetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
619	124-01-6	2-Ethoxyethylmercury chloride		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
620	584-18-9	2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)phenylmercury acetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
621	123-88-6	2-Methoxyethylmercury chloride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
622	133-58-4	6-Methyl-3-nitrobenzoxamercurate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
623	10048-99-4	Barium tetraiodomercurate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
624	94276-38-7	Bis(5-oxo-DL-prolinato-N1,O2)mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
625	94481-62-6	Bis(5-oxo-L-prolinato-N1,02)mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
626	84029-43-6	Bis(acetato-O)[μ-[1,3-dioxane-2,5-diylbis(methylene)-c:c',O,O']]dimercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
627	18917-83-4	Bis(lactato-O1,02)mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
628	6795-81-9	Bis(trichloromethyl)mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
629	33724-17-3	Bis[(+)-lactato]mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
630	13294-23-0	Bis(trimethylsilyl)methylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
631	18832-83-2	Bromo(2-hydroxypropyl)mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
632	107-26-6	Bromoethylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
633	506-83-2	Bromomethylmercury		P	0.1wt%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
634	1192-89-8	Bromophenylmercury		P	0.1wt%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
635	62-37-3	Chlormerodrin		P	0.1wt%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
636	1320-80-5	Chloro(hydroxyphenyl)mercury		P	0.1wt%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
637	90-03-9	Chloro(o-hydroxyphenyl)mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
638	3076-91-3	Chloro[p-[(2-hydroxy-1-naphthyl)azo]phenyl]mercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
639	5857-39-6	Chloro-2-thienylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
640	5955-19-1	Chloro-m-tolylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
641	2777-37-9	Chloro-o-tolylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
642	27685-51-4	Cobaltate(2-), tetrakis(thiocyanato-N)-, mercury(2+) (1:1), (T-4)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
643	62638-02-2	Cyclohexanecarboxylic acid, mercury(2+) salt		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
644	33445-15-7	Diammonium tetrachloromercurate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
645	627-44-1	Diethylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
646	102-98-7	Dihydrogen [orthoborato(3-)-O]phenylmercurate(2-)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
647	93820-20-3	Diiodo(5-iodopyridin-2-amine-N1)mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
648	1310-88-9	Dimercury amidatenitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
649	13967-25-4	Dimercury difluoride		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
650	15385-57-6	Dimercury diiodide		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
651	2949-11-3	Dimercury(II) oxalate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
652	3810-81-9	Dimethyl[.mu.-[sulphato(2-)-O:O*]]dimercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
653	593-74-8	Dimethylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
654	616-99-9	Di-ortho-mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
655	27236-65-3	Diphenyl[μ-(tetrapropenyl)succinato(2-)-O,O']dimercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
656	587-85-9	Diphenylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
657	15682-88-9	Disodium tetra(cyano-C)mercurate(2-)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
658	584-43-0	Disuccinimido mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
659	2440-42-8	Ethylidomercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
660	107-27-7	Ethylmercuric chloride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
661	2235-25-8	Ethylmercuric phosphate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
662	3570-80-7	Fluorescein mercuric acetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
663	13170-76-8	Hexanoic acid, 2-ethyl-, mercury(2+) salt		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
664	14235-86-0	Hydrargaphen		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
665	64491-92-5	Hydrogen [metasilicato(2-)-O](2-methoxyethyl)mercurate(1-)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
666	94277-53-9	Hydrogen .mu.-hydroxy[.mu.-[orthoborato(3-)-O:O']diphenyl]dimercurate(1-)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
667	26552-50-1	Hydrogen [3-[(.alpha.-carboxylato-o-anisoyl)amino]-2-hydroxypropyl]hydroxymercurate(1-)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
668	143-36-2	Iodomethylmercury		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
669	122-64-5	Lactatophenyl mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
670	4386-35-0	Meralein sodium		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
671	21259-76-7	Mercaptomerin sodium		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
672	525-30-4	Mercuderamide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
673	59-85-8	Mercurate(1-), (4-carboxylatophenyl)chloro-, hydrogen		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
674	138-85-2	Mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
675	72379-35-2	Mercurate(1-), triiodo-, hydrogen, compound with 3-methyl-2(3H)-benzothiazolimine (1:1)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
676	20582-71-2	Mercurate(2-), tetrachloro-, dipotassium, (T-4)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
677	63325-16-6	Mercurate(2-), tetraiodo-, (T-4)-, dihydrogen, compound with 5-iodo-2-pyridinamine (1:2)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
678	13876-85-2	Mercurate(2-), tetraiodo-, dicopper(1+), (T-4)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
679	1600-27-7	Mercuric acetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
680	7784-37-4	Mercuric arsenate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

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681	583-15-3	Mercuric benzoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
682	7789-47-1	Mercuric bromide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
683	7487-94-7	Mercuric chloride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
684	592-04-1	Mercuric cyanide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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685	7774-29-0	Mercuric iodide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
686	10045-94-0	Mercuric nitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
687	21908-53-2	Mercuric oxide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
688	1335-31-5	Mercuric oxycyanide	Mercury(II)oxycyanide	P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
689	591-89-9	Mercuric potassium cyanide		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
690	1312-03-4	Mercuric subsulfate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
691	7783-35-9	Mercuric sulfate	Mercury(II)sulfate	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
692	592-85-8	Mercuric thiocyanate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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693 498-73-7	Mercurobutol		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
694 631-60-7	Mercurous acetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
695 38232-63-2	Mercurous azide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
696 7546-30-7 10112-91-1	Mercurous chloride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
697	7783-30-4	Mercurous iodide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
698	10415-75-5	Mercurous nitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
699	15829-53-5	Mercurous oxide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
700	7783-36-0	Mercurous sulfate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
701	13465-34-4	Mercury (I) chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
702	14836-60-3	Mercury (I) nitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
703	13444-75-2	Mercury (II) chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
704	7783-34-8	Mercury (II) nitrate, monohydrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
705	592-63-2 631-60-7	Mercury acetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
706	68833-55-6	Mercury acetylde		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
707	10124-48-8	Mercury ammonium chloride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
708	15516-76-4	Mercury bis(4-chlorobenzoate)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
709	13257-51-7	Mercury bis(trifluoroacetate)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
710	15385-58-7	Mercury bromide (Hg ₂ Br ₂)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
711	10031-18-2	Mercury bromide (HgBr)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
712	7789-10-8	Mercury dichromate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
713	7783-32-6	Iodic acid (HIO ₃), mercury(2+) salt		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
714	14099-12-8	Mercury dipotassium tetrathiocyanate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
715	7784-03-4	Mercury disilver tetraiodide		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
716	645-99-8	Mercury distearate, pure		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
717	27575-47-9	Mercury fluoride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
718	7783-39-3	Mercury fluoride (HgF2)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
719	63937-14-4	Mercury gluconate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
720	12136-15-1	Mercury nitride		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
721	1191-80-6	Mercury oleate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
722	5970-32-1	Mercury salicylate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
723	20601-83-6	Mercury selenide (HgSe)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
724	12344-40-0	Mercury silver iodide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
725	589-65-1	Mercury succinate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
726	1344-48-5	Mercury sulfide (HgS)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
727	12068-90-5	Mercury telluride (HgTe)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
728	94022-47-6	Mercury thallium dinitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
729	13465-33-3	Mercury(1+) bromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
730	71720-55-3	Mercury(1+) ethyl sulphate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
731	2923-15-1	Mercury(1+) trifluoroacetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
732	22450-90-4	Mercury(1+), aminophenyl-, acetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

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733	7756-49-2	Mercury(2+) (9Z,12Z)-octadeca-9,12-dienoate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
734	26719-07-3	Mercury(2+) chloroacetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
735	53010-52-9	Mercury(2+), bis(2,4,6-tri-1,3,5-triazine-N1,N2,N6)-, (OC-6-1'2)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
736	3444-13-1	Mercury(II) oxalate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

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737	7783-33-7	Mercury(II) potassium iodide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
738	103332-13-4	Mercury, (2-ethylhexanoato-o-O)(1-methoxycyclohexyl)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
739	103369-15-9	Mercury, (1-methoxycyclohexyl)(neodecanoato-o)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
740	104325-07-7	Mercury, (1-methoxyethyl)(9-octadecenoato-o)-,		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
741	104325-08-8	Mercury, (1-methoxycyclohexyl)(9-octadecenoato-0)-,		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
742	104335-53-7	Mercury, (1-methoxyethyl)(neodecanoato-0)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
743	104339-46-0	Mercury, (2-ethylhexanoato-0)(1-methoxyethyl)		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
744	104-60-9	Mercury, (9-octadecenoato-0)phenyl-, (Z)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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745	63468-53-1	Mercury, (acetato-O)(2-hydroxy-5-nitrophenyl)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
746	6283-24-5	Mercury, (acetato-O)(4-aminophenyl)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
747	5954-14-3	Mercury, (acetato-O)[3-(chloromethoxy)propyl-C,O]-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
748	19447-62-2	Mercury, (acetato-O)[4-[[4-(dimethylamino)phenyl]azo]phenyl]-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
749	68201-97-8	Mercury, (acetato-O)diamminephenyl-, (T-4)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
750	24806-32-4	Mercury, [mu.-[dodecylbutanedioato(2-)-O,O']]diphenyl di-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
751	33770-60-4	Mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2-)-O1,06]-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
752	537-64-4	Mercury, bis(4-methylphenyl)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
753	63549-47-3	Mercury, bis(acetato-O)(benzenamine)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
754	14783-59-6	Mercury, bis(phenyldiaz enecarbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
755	24579-90-6	Mercury, chloro(2-hydroxy-5-nitrophenyl)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
756	623-07-4	Mercury, chloro(4-hydroxyphenyl)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
757	539-43-5	Mercury, chloro(4-methylphenyl)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
758	1785-43-9	Mercury, chloro(ethanethiolato)-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
759	90584-88-6	Mercury, chloro[2-(2-cyclohexen-1-yl)-3-benzofuranyl]-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
760	15785-93-0	Mercury, chloro[p-(2,4-dinitroanilino)phenyl]-		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
761	12055-37-7	Mercury, compound with sodium (2:1)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
762	57363-77-6	Mercury, compound with sodium (4:1)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
763	11083-41-3	Mercury, compound with titanium (1:3)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
764	629-35-6	Mercury, dibutyl-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
765	141-51-5	Mercury, iodo(iodomethyl)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
766	86-85-1	Mercury, methyl(8-quinolinolato-N1,O8)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
767	56724-82-4	Mercury, phenyl(phenyl diazenecarbothioic acid 2-phenylhydrazidato)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
768	3294-57-3	Mercury, phenyl(trichloromethyl)-		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
769	115-09-3	Mercurymethyl chloride		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
770	492-18-2	Mersalyl		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
771	486-67-9	Mersalyl acid		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
772	151-38-2	Methoxyethylmercuric acetate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
773	502-39-6	Methyl mercury dicyandiamide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
774	5902-76-1	Methyl(pentachlorophenolato) mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
775	22967-92-6	Methylmercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
776	3626-13-9	Methylmercury benzoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
777	1184-57-2	Methylmercury hydroxide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
778	517-16-8	N-(Ethylmercuric)-p-toluenesulphonamide		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
779	1336-96-5	Naphthenic acids, mercury salts		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
780	13465-31-1	Nitric acid, mercury(2+) salt, hemihydrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
781	16509-11-8	Otimate sodium		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
782	7616-83-3	Perchloric acid, mercury(2+) salt		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
783	14354-56-4	Phenyl(quinolin-8-olato-N1,08)mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
784	3294-60-8	Phenyl(tribromomethyl)mercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
785	62-38-4	Phenylmercuric acetate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.20
786	103-27-5	Mercury, phenyl(propionate-O)-	Phenylmercury propionate	P	0.1w%※1 ※2	Regulations Annex XVII (restricted the usage and applications) Articles or any	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.20
787	13302-00-6	Mercury, (2-ethylhexanoato-O)phenyl-	Phenylmercury 2-	P	0.1w%※1 ※2	Articles or any	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.20

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P:Prohibited M:Management R: Reduced

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788	13864-38-5	Phenylmercury octanoate		P	0.1w%※1※2	parts thereof containing one or more of these substances shall not be placed on				mercury compound	REV5.20
789	26545-49-3	Mercury, (neodecanoato -O)phenyl-	Phenylmercury neodecanoate	P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.20
790	100-57-2	Phenylmercuric hydroxide		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
791	55-68-5	Phenylmercuric nitrate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
792	94-43-9	Phenylmercury benzoate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
793	100-56-1	Phenylmercury chloride		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
794	32407-99-1	Phenylmercury dimethyldithio carbamate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
795	8003-05-2	Phenylmercury hydroxide-phenylmercury nitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
796	28086-13-7	Phenylmercury salicylate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
797	104-59-6	Phenylmercury stearate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
798	10451-12-4	Phosphoric acid, mercury salt		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
799	22330-18-3	Potassium triiodomercurate(1-)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
800	7620-30-6	Sodium [3-[[[3-carboxylatopropionamido)carbonyl]amino]-2-methoxypropyl]hydroxymercurate(1-)		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
801	3198-04-7	Sodium 4-chloromercurio benzoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
802	54-64-8	Sodium o-(ethylmercurio)benzoate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
803	5964-24-9	Sodium timerfonate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
804	54295-90-8	Tetrakis(acetato-0)[mu.4-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-2',4',5',7'-tetrayl)]tetramercury		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
805	18211-85-3	Trimercury biscitrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
806	7548-26-7	Mercury, (2-mercaptoacetamidato-O,S)methyl		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
807	628-86-4	Mercury-difluorinate		P	0.1w%※1※2	Yanmar voluntary regulation EU REACH Regulations Annex XVII (restricted the usage and applications) EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging	battery and measuring instrument	battery and measuring instrument		mercury compound	REV5.12
808	7440-43-9 others	Cadmium and compounds		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	impurities in copper alloy, impurities in zinc alloy, Impurities in anti-corrosion	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment and batteries	Management substance for REACHT There are some applications excluded from applicability Managed substance for ship recycle	REV5.1
809	7440-43-9	Cadmium		P	0.01w%※1※2	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH Regulations Annex XVII (restricted the usage and	impurities in copper alloy, impurities in zinc alloy, Impurities in anti-corrosion	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment and batteries	Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
810	542-83-6	Cadmiumcyanide		P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
811	2223-93-0	Bisstearicacidcadmiumsalt	Cadmium stearate	P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
812	2605-44-9	Cadmiumlaurate		P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
813	10108-64-2	Cadmiumchloride		P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
814	7790-78-5	Cadmiumchloride5/2hydrate		P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
815	1306-19-0	Cadmium oxide		P	0.01wt% 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
816	7789-42-6	Cadmiumbromide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
817	10325-94-7	Cadmiumnitrate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
818	10022-68-1	Cadmiumnitrate tetrahydrate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
819	543-90-8	Cadmiumacetate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
820	21041-95-2	Cadmiumhydroxide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
821	513-78-0	Cadmiumcarbonate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
822	12214-12-9	Cadmiumseleni desulfide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
823	1306-23-6	Cadmiumsulfide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
824	10124-36-4	Cadmiumsulfate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
825	7790-84-3	Cadmiumsulfate, 8/3hydrate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
826	12014-29-8	Antimony, compound with cadmium (2:3)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
827	51222-60-7	Boric acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
828	12656-57-4	C.I. Pigment Orange 20		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
829	14402-75-6	Cadmate(2-), tetrakis(cyano-C)-, dipotassium, (T-4)-		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
830	15743-19-8	Cadmium acrylate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
831	12006-15-4	Cadmium arsenide (Cd3As2)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
832	13464-92-1	Cadmium bromide, tetrahydrate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
833	12185-64-7	Cadmium chloride phosphate (Cd5Cl(PO4)3)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
834	100402-53-7	Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
835	7790-78-5	Cadmium chloride, hydrate (2:5)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
836	14312-00-6	Cadmium chromate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
837	14923-81-0	Cadmium diicosanoate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
838	7790-83-2	Cadmium dinitrite		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
839	13832-25-2	Cadmium diricinoleate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
840	14486-19-2	Cadmium fluoborate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
841	7790-79-6	Cadmium fluoride (CdF ₂)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
842	17010-21-8	Cadmium hexafluorosilicate(2-)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
843	14067-62-0	Cadmium hydrogen phosphate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
844	21041-95-2	Cadmium hydroxide (Cd(OH) ₂)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
845	7790-81-0	Cadmium iodate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
846	7790-80-9	Cadmium iodide		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
847	29870-72-2	Cadmium mercury telluride ((Cd,Hg)Te)		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
848	13972-68-4	Cadmium molybdenum oxide (CdMoO4)		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
849	12187-14-3	Cadmium niobium oxide (Cd2Nb2O7)		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
850	101356-99-4	Cadmium oxide (CdO), solid solution with calcium oxide and titanium oxide (TiO2), praseodymium-doped		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
851	102110-30-5	Cadmium oxide (CdO), solid solution with magnesium oxide, tungsten oxide (WO3) and zinc oxide		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

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852	12139-22-9	Cadmium peroxide (Cd(O ₂))		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
853	12014-28-7	Cadmium phosphide (Cd ₃ P ₂)		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
854	16986-83-7	Cadmium propionate		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
855	1306-24-7	Cadmium selenide (CdSe)		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
856	101357-00-0	Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
857	101357-01-1	Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped		P	0.01wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
858	101357-02-2	Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
859	101357-03-3	Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
860	101357-04-4	Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
861	12626-36-7	Cadmium selenide sulfide (Cd(Se,S))		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
862	12214-12-9	Cadmium selenide sulfide (Cd ₂ SeS)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
863	71243-75-9	Cadmium selenide sulfide (CdSe _{0.53} S _{0.47})		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
864	12213-70-6	Cadmium selenide sulfide, (Cd ₂ SeS)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
865	11112-63-3	Cadmium selenide sulphide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
866	141-00-4	Cadmium succinate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
867	7790-84-3	Cadmium sulfate, hydrate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
868	13477-23-1	Cadmium sulphite		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
869	12292-07-8	Cadmium tantalum oxide (CdTa ₂ O ₆)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
870	1306-25-8	Cadmium telluride (CdTe)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
871	12014-14-1	Cadmium titanium oxide (CdTiO3)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
872	7790-85-4	Cadmium tungsten oxide (CdWO4)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
873	16056-72-7	Cadmium vanadium oxide (CdV2O6)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
874	11129-14-9	Cadmium zinc sulfide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
875	12442-27-2	Cadmium zinc sulfide ((Cd,Zn)S)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
876	12139-23-0	Cadmium zirconium oxide (CdZrO ₃)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
877	15337-60-7	Cadmium-barium laurate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
878	93820-02-1	Carbonic acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
879	13701-66-1	Diboron tricadmium hexaoxide		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
880	13755-33-4	Dicadmium hexakis(cyano-C)ferrate(4-)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
881	37131-86-5	Diphosphoric acid, barium cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
882	19262-93-2	Diphosphoric acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
883	15600-62-1	Diphosphoric acid, cadmium salt (1:2)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
884	20648-91-3	Dipotassium tetrachloro cadmate(2-)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
885	14520-70-8	Phosphoric acid, ammonium cadmium salt (1:1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
886	13847-17-1	Phosphoric acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
887	13477-17-3	Phosphoric acid, cadmium salt (2:3)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
888	16984-36-4	Propanoic acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
889	13814-62-5	Selenic acid, cadmium salt (1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
890	13814-59-0	Selenious acid, cadmium salt (1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
891	13477-19-5	Silicic acid (H ₂ SiO ₃), cadmium salt (1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
892	14017-36-8	Sulfamic acid, cadmium salt (2:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
893	15851-44-2	Telluric acid (H ₂ TeO ₃), cadmium salt (1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
894	15852-14-9	Telluric acid (H ₂ TeO ₄), cadmium salt (1:1)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
895	10196-67-5	Tetradecanoic acid, cadmium salt		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
896	14239-68-0	Cadmium bis(diethylthiocarbamate)		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
897	4464-23-7	cadmium(+2) cation diformate		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
898	90604-90-3	Cadmium Lithophone Yellow		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
899	58339-34-7	Cadmium sulfoselenide red		P	0.01w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
900	90604-89-0	Cadmium Zinc lithophone Yellow	P	0.01w%※ 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
901	1345-09-1	Cadmium Mercury Sulfide	P	0.01w%※ 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
902	8048-07-5	Cadmium Zink Sulfide Yellow	P	0.01w%※ 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
903	93686-40-9	Nonanoic acid, branched, cadmium salt	P	0.01w%※ 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Cadmium and compounds	REV5.1
904	18540-29-9 others	Hexavalent chrome and compounds	P	0.1w%※ 1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	Plating solution	Plating residual liquid	Plating solution	Management substance for REAChT There are some applications excluded from applicability Managed substance for ship recycle	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
905	232-143-1 7789-09-5	Ammonium bichromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment	Oxidant, laboratory (analysis organization), dressing of leather, processing of manufacturing fiber, manufacturing phototons screen (cathode ray tube) and processing	Hexavalent chrome and compounds	REV5.1
906	7788-98-9	Ammonium chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
907	10294-40-3	Barium chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
908	1344-38-3	C.I. Pigment Orange 21		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
909	13765-19-0	Calcium chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
910	13454-78-9	Cesium chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
911	16037-50-6	Chromate(1-), chlorotrioxo-, potassium, (T-4)-		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
912	7738-94-5	Chromic acid		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
913	13530-68-2	Chromic acid (H2Cr2O7)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
914	15586-38-6	Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
915	16565-94-9	Chromic acid (H2CrO4), lanthanum(3+) salt (3:2)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
916	13423-61-5	Chromic acid (H2CrO4), magnesium salt (1:1)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
917	14445-91-1	Chromic acid, ammonium salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
918	27133-66-0	Chromic acid, barium potassium salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
919	41189-36-0	Chromic acid, potassium zinc salt		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
920	14986-48-2	Chromium (VI) chloride		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
921	12254-85-2	Chromium arsenide (Cr2As)		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
922	102262-21-5	Chromium cobalt copper iron manganese oxide		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
923	102262-22-6	Chromium cobalt iron manganese oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
924	102262-19-1	Chromium cobalt manganese oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
925	37382-24-4	Chromium cobalt oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
926	12016-69-2	Chromium cobalt oxide (Cr2CoO4)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
927	68475-49-0	Chromium hydroxide oxide silicate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
928	12018-18-7	Chromium nickel oxide (Cr2NiO4)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
929	13455-25-9	Cobalt chromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
930	11114-92-4	Cobalt chromium alloy		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
931	12053-18-8 13548-42-0	Copper chromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
932	13675-47-3	Copper dichromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
933	13453-35-5	Dithallium dichromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
934	7758-97-6	Lead chromate		P	0.1wt%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
935	18454-12-1	Lead chromate oxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
936	14307-35-8	Lithium chromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
937	14104-85-9	Magnesium dichromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
938	235-759-9 12656-85-8	Molybdate orange (Lead chromate pigment)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
939	14721-18-7	Nickel chromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
940	99328-50-4	Nitric acid, barium salt, reaction products with ammonia, chromic acid (H ₂ CrO ₄) diammonium salt and copper(2+) dinitrate, calcined		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
941	100402-65-1	Nitric acid, copper(2+) salt, reaction products with ammonia, chromic acid (H ₂ CrO ₄) diammonium salt and manganese(2+) dinitrate.		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
942	232-140-5 7789-00-6	Potassium chromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
943	231-906-6 7778-50-9	Potassium dichromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
944	7784-01-2	Silver chromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
945	7789-12-0	Sodium dichromate dihydrate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
946	231-889-5 7775-11-3	Sodium chromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
947	234-190-3 10588-01-9	Sodium dichromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
948	13517-17-4	Sodiumchromate tedecehydrate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
949	7789-06-2	Strontium chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
950	13473-75-1	Thallium (I) chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
951	1328-67-2	Zinc chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
952	13530-65-9	Zinc chromate		P	0.1w%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
953	15930-94-6	Zinc chromate hydroxide		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
954	14018-95-2	Zinc dichromate		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
955	37300-23-5	Zinc yellow (Zinc chromate pigment)		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
956	11115-74-5	dihydroxy-dioxo-chromium		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
957	12433-50-0 63020-43-9	potassium; dioxido-dioxo-chromium		P	0.1w%※1※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse	Pigment, paint, battery, measuring instrument and electronic equipment	Pigment, paint, battery, measuring instrument and electronic equipment		Hexavalent chrome and compounds	REV5.1
958	—	Chromium and its compounds		M	—	Poisonous and Deleterious Substances Control Law Japan		acidic and finishing agent such as iron, aluminum, and copper			REV5.1
959	7440-47-3	chrome		M	—	Poisonous and Deleterious Substances Control Law Japan		acidic and finishing agent such as iron, aluminum, and copper			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
960	10025-73-7	Chromiunchloride	CHROMIUM (III) CHLORIDE	M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
961	37235-82-8	Bismuthchromateoxide		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
962	1344-37-2	C.I.PigmentYellow34		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
963	1308-38-9	Chromiumoxide		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
964	50922-29-7	Tetrabasiczinc chromate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
965	7789-09-5	Ammoniumdichromate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
966	1308-14-1	Chromiumhydrate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
967	6449-00-9	Dichromiumtricarbonate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
968	7790-94-5	Chlorosulfuric acid		M	—	Poisonous and Deleterious Substances Control Law Japan		Additives and finishing agent such as iron, aluminum, and copper	Dyestuff, detergent, medicine, medicine medium, and synthetic medium		REV5.1
969	79-11-8	Chloroaceticacid		M	—	Poisonous and Deleterious Substances Control Law Japan		Additives and finishing agent such as iron, aluminum, and copper	Raw material of 2,4-dichlorophenoxyacetic acid and reagent for benzofura		REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
970	109-61-5	n-Propylchloroformate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
971	105-39-5	Ethylchloroacetate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper	synthetic medium		REV5.1
972	3926-62-3	Sodiumchloroacetate		M	—	Poisonous and Deleterious Substances Control Law Japan		and finishing agent such as iron, aluminum, and copper			REV5.1
973	101-55-3	Polybrominated biphenyls ethers (PBDE)		P	0.1wt%	U.S. states and commonwealths/ Prohibited in the usage of brominated flame retardants (Penta, Octa, Deca)	fireproofing agent, rubber, resin, woven fabric	fireproofing agent, rubber, resin, woven fabric	fireproofing agent, rubber, resin, woven fabric	There are some applications excluded from applicability Managed substance for ship recycle	REV5.1
974	68758-75-8 80-05-7	[1,1'-Biphenyl]-ar,ar'-diol, tetrabromo-, polymer with (chloromethyl) oxirane and 4,4'-(1-methylethylidene		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	Synthetic resin material	Synthetic resin material	Synthetic resin material	There are some applications excluded from applicability	REV5.1
975	73141-48-7	1,1'-Biphenyl, 2,2',3,4',5'-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
976	77910-04-4	1,1'-Biphenyl, 2,2',3,4,6-pentabromo-	PBB 88	P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
977	88700-05-4	1,1'-Biphenyl, 2,2',3,5',6-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
978	81397-99-1	1,1'-Biphenyl, 2,2',4,4',5-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
979	97038-97-6	1,1'-Biphenyl, 2,2',4,4',6-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
980	66115-57-9	1,1'-Biphenyl, 2,2',4,4'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
981	67888-96-4	1,1'-Biphenyl, 2,2',4,5,5'-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
982	59080-39-6	1,1'-Biphenyl, 2,2',4,5,6-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
983	80274-92-6	1,1'-Biphenyl, 2,2',4,5,6'-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
984	60044-24-8	1,1'-Biphenyl, 2,2',4,5'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
985	97063-75-7	1,1'-Biphenyl, 2,2',4,6,6'-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
986	97038-95-4	1,1'-Biphenyl, 2,2',4,6'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
987	59080-37-4	1,1'-Biphenyl, 2,2',5,5'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
988	60044-25-9	1,1'-Biphenyl, 2,2',5,6'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
989	59080-34-1	1,1'-Biphenyl, 2,2',5-tribromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
990	97038-96-5	1,1'-Biphenyl, 2,2',6,6'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
991	13029-09-9	1,1'-Biphenyl, 2,2'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
992	96551-70-1	1,1'-Biphenyl, 2,3,4,4',5-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
993	74114-77-5	1,1'-Biphenyl, 2',3,4,4',5-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
994	84303-45-7	1,1'-Biphenyl, 2,3',4,4'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
995	38421-62-4	1,1'-Biphenyl, 2,3,4,5,6-pentabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
996	59080-38-5	1,1'-Biphenyl, 2,3',4',5-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
997	59080-35-2	1,1'-Biphenyl, 2,3',5-tribromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
998	49602-90-6	1,1'-Biphenyl, 2,3'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
999	64258-02-2	1,1'-Biphenyl, 2,4,4',6-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1000	59080-36-3	1,1'-Biphenyl, 2,4',5-tribromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1001	59080-33-0	1,1'-Biphenyl, 2,4,6-tribromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1002	64258-03-3	1,1'-Biphenyl, 2,4',6-tribromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1003	49602-91-7	1,1'-Biphenyl, 2,4'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1004	53592-10-2	1,1'-Biphenyl, 2,4-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1005	57422-77-2	1,1'-Biphenyl, 2,5-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1006	59080-32-9	1,1'-Biphenyl, 2,6-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1007	77102-82-0	1,1'-Biphenyl, 3,3',4,4'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1008	97038-98-7	1,1'-Biphenyl, 3,3',4,5'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1009	16400-50-3	1,1'-Biphenyl, 3,3',5,5'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1010	16400-51-4	1,1'-Biphenyl, 3,3'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1011	59589-92-3	1,1'-Biphenyl, 3,4,4',5'-tetrabromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1012	57186-90-0	1,1'-Biphenyl, 3,4'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1013	60108-72-7	1,1'-Biphenyl, 3,4-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1014	92-86-4	1,1'-Biphenyl, 4,4'-dibromo-		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1015	83929-69-5	2,2',3,3',5,5',6,6'-Octabromo-4-phenoxy-1,1'-biphenyl		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1016	14957-65-4	4,4',6,6'-Tetrabromo[1,1'-biphenyl]-2,2'-diol		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1017	13654-09-6	Decabromobiphenyl		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1018	67774-32-7	Firemaster FF-1		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1019	27858-07-7	Octabromobiphenyl		P	0.1wt%	Yanmar voluntary regulation EU RoHS Directive	paint, resin, woven fabric	fireproofing agent, paint	fireproofing agent, paint	PBB There are some applications excluded from applicability	REV5.1
1020	102-71-6	Ethanol, 2,2',2''-nitrilotris-		P	0.1wt%	Kingdom of Norway/ Prohibited in the usage of Triethanolamine (containing in	LLC, lubricant, cutting lubricant	LLC, lubricant, cutting lubricant	LLC, oil, cutting fluid		REV5.1
1021	1163-19-5	Decabromodiphenyl ether (Deca-BDE)		P	0.1wt%	Kingdom of Sweden and U.S. states and commonwealths/ Prohibited in the usage of brominated flame retardants (Penta,	fireproofing agent, rubber, resin, woven fabric	fireproofing agent, rubber, resin, woven fabric	Rubber, resin, woven fabric	management substance for REACH	REV5.20
1022	61788-33-8 others	Polychlorinated terphenyl (PCTs)		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in	Adhesive, paint, ink, and electric product	Adhesive, paint, ink, and electric product	Adhesive, paint, ink, and electric product	management substance for REACH	REV5.1
1023	—	Waste oil and compound containing not less than 50 ppm of PCTs.		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and	Adhesive, paint, ink, and electric product	Adhesive, paint, ink, and electric product		management substance for REACH	REV5.1
1024	75-01-4	Vinyl chloride		M	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)			Residual monomer in polymers, plastic raw material, adhesive, sealing coat, and protection	management substance for REACH prohibited as an aerosol	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1025	—	Dangerous liquid and mixture designated in 67/548/EEC, 1999/45/EC		M	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1026	126-72-7	Tris (2, 3-dibromopropyl) phosphate		P	0.0w %	Rotterdam Convention (PIC)/ Substances described in Annex III	—	fireproofing agent For industrial usage	fireproofing agent For industrial usage	management substance for REACH There are some applications excluded from	REV5.1
1027	71-43-2	Benzene		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	Fuel constituent, raw material/contaminant in other chemicals	Fuel constituent, raw material/contaminant in other chemicals	Management substance for REACH There are some applications excluded from	REV5.20
1028	545-55-1	Tris-aziridinyl phosphin oxide		P	0.0w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	—	insect chemosterilant Antineoplastic. Dying	management substance for REACH There are some applications excluded from	REV5.1
1029	68990-67-0	Soap bark powder		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1030	—	Powder of the roots of Helleborus viridis and Helleborus niger		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1031	—	Powder of the roots of Veratrum album and Veratrum nigrum		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1032	552-89-6	o-nitrobenzaldehyde		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)			Intermediate substance	The prohibition usage doesn't correspond to the Yanmar product	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRS=Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1033	—	Wood powder	Wood dust	R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1034	12135-76-1	Ammonium sulfide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)			Photographic material, synthetic material, analytical reagent	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1035	12124-99-1	Ammonium hydrogen sulfide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1036	9080-17-5	Ammonium polysulfide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1037	96-32-2	Methyl acetate bromide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)			Intermediate substance	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1038	105-36-2	Ethyl acetate bromide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)			Pesticide intermediate substance, organic raw material	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1039	35223-80-4	Propyl acetate bromide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1040	18991-98-5	Butyl acetate bromide		R	—	EU REACH Regulations Annex XVII (restricted the usage and applications)				The prohibition usage doesn't correspond to the Yanmar product	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1041	1319-46-6	Lead(II) carbonate		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications) EU REACH Regulations SVHC	paint	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.20
1042	15739-80-7	Lead sulfate		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	paint	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.1
1043	7446-14-2	Lead(II) sulfate		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	paint	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.1
1044	—	Arsenic compound		P	0.0wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Paint and preservative	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.20
1045	—	Organotin tin compound Except for the following three substances		P	0.0wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Paint and preservative	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.12
1046	—	Tri-substituted organostannic compounds		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Paint and preservative	paint	Paints	management substance for REACH There are some applications excluded from applicability	REV5.12

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1047	—	Dibutyltin (DBT) compounds		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Paint and preservative	paint	Paints	management substance for REACH There are some applications excluded from	REV5.12
1048	—	Diocetyl tin (DOT) compound		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications) There are some exemptions to the application by 2015.1.1	Paint and preservative	paint	Paints	management substance for REACH There are some applications excluded from	REV5.12
1049	75113-37-0	Dioxastannaboretane		P	0.1wt%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Resin, glass and rubber	Resin, glass and rubber	Resin, glass and rubber	management substance for REACH There are some applications excluded from applicability Prohibited substance for ship	REV5.1
1050	683-18-1	Dibutyltin dichloride (DBT)		M	0.1w%	EU REACH Regulations SVHC			Solvent cleaning of textiles and leather, artificial leather electric, Solvent cleaning of the integrated circuit, electrical equipment, And catalytic reagents for organic synthesis, Selective absorption agent in	Management substance for REACH	5.20版
1051	87-86-5 131-52-2	Pentachlorophenol, pentachlorophenol salt, and ester compound of pentachlorophenol		P	0.1wt%	Rotterdam Convention (PIC)/ Substances described in Annex III	Resin, glass and rubber	Resin, glass and rubber	Preservative, agricultural, leather processing, latex stabilizer, insecticide	management substance for REACH There are some applications excluded from	REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1052	76253-60-6	Monomethyl-tetrachlorodiphenyl		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Resin, glass and rubber	Resin, glass and rubber	Residues and decomposition products in manufacture of	Management substance for REAChT	REV5.1
1053	—	Monomethyl-dichloro-diphenyl methane		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Resin, glass and rubber	Resin, glass and rubber		Management substance for REAChT	REV5.1
1054	99688-47-8	Monomethyl-dibromo-diphenyl methane		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Resin, glass and rubber	Resin, glass and rubber	Residues and decomposition products in production	Management substance for REAChT	REV5.1
1055	7440-0-20	Nickel and compound		M	-	PRTR Law Japan/Class 1 of designated chemical substances (of which, 15 substances are class 1 of designated chemical	—	Plating, alloy, pigments	Plating, alloy, pigments	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1056	7440-02-0	nickel		M	-	PRTR Law Japan/Class 1 of designated chemical substances (of which, 15 substances are class 1 of designated chemical	—	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1057	14220-17-8	Potassiumtetracyanonickelate (2-)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1058	7718-54-9	Nickel(II)chloride		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1059	1313-99-1	Nickel(II)oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1060	13138-45-9	Nickel(II)nitrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1061	12054-48-7	Nickel(II)hydroxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1062	16812-54-7	Nickel(II)sulfide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1063	7786-81-4	Nickel(II)sulfate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1064	84852-39-1	(2-Ethylhexanoato-o-O)(isodecanoato-o-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1065	85508-45-8	(2-Ethylhexanoato-o-O)(isononanoato-o-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1066	84852-38-0	(2-Ethylhexanoato-o-O)(isooctanoato-o-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1067	85135-77-9	(2-Ethylhexanoato-o)(neodecanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1068	84852-36-8	(Isodecanoato-o)(isononanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1069	85166-19-4	(Isodecanoato-o)(isooctanoato-o)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1070	85508-42-5	(Isodecanoato-o)(neodecanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1071	85508-46-9	(Isononanoato-o)(isooctanoato-o)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1072	85551-28-6	(Isononanoato-o)(neodecanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1073	84852-35-7	(Isooctanoato-o)(neodecanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1074	93920-08-2	(Neononanoato-o-(neoundecanoato-O)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1075	22484-07-7	[.mu.-[[1,1',1'',1'''- [Benzene-1,2,4,5-tetrayltetrakis(nitromethylidene)naphth-2-olato](4-)]dinickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1076	65405-96-1	[.mu.-[Carbonato(2-)-O,O']dihydroxydinickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1077	47726-62-5	[[2,2'-(4,8-Dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diy]bis[4,6-dichlorophenolato]](2-)]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1078	33882-09-6	[[2,2'-Thiobis[3-octylphenolato]](2-)-O,O',S]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1079	97404-22-3	[[N,N',N'',N'''-[29H,31H-Phthalocyanin etetrayltetrakis(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1080	97404-21-2	[[N,N',N''-[29H,31H-Phthalocyanin etriyltris(sulphonylimino-3,1-phenylene)]tris[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1081	64696-98-6	[2,3'-Bis[[2-hydroxyphenyl)methylene]amino]but-2-enedinitrilato(2-)-N2,N3,O2,O3]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1082	68025-13-8	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium nickel(2+) salt (2:2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1083	6018-92-4	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, nickel(2+) salt (2:3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1084	68391-37-7	1,2,3-Propanetriol, 1-(dihydrogen phosphate), nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1085	67952-69-6	1,2,3-Propanetriol, mono(dihydrogen phosphate), nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1086	18824-79-8	1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1087	72319-19-8	2,7-Naphthalenedisulfonic acid, nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1088	7580-31-6	2-Ethylhexanoic acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1089	71050-57-2	Acetic acid, nickel(2+) salt, polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1090	12004-35-2	Aluminum nickel oxide (Al ₂ NiO ₄)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1091	12003-78-0	Aluminum, compound with nickel (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1092	79357-65-6	Aluminum, triethyl-, reaction products with nickel(2+) bis(2-ethylhexanoate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1093	73892-02-1	Antimony oxide (Sb ₂ O ₃), solid solution with nickel oxide (NiO) and titanium oxide (TiO ₂)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1094	12035-52-8	Antimony, compound with nickel (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1095	12503-49-0	Antimony, compound with nickel (1:3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1096	55868-93-4	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1097	52625-25-9	Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1098	14949-69-0	Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1099	1295-35-8	Bis(1,5-cyclooctadiene)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1100	85586-46-5	Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1101	12794-26-2	Bis(1-nitroso-2-naphtholato)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1102	79121-51-0	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispiro[5.1.11.2]henicosan-21-one-O21)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1103	69524-96-5	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1104	85026-81-9	Bis(5-oxo-DL-prolinato-N1,O2)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1105	70824-02-1	Bis(5-oxo-L-prolinato-N1,O2)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1106	13478-93-8	Bis(butanedione dioximato)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1107	71957-07-8	Bis(D-gluconato-O1,O2)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1108	52610-81-8	Bis(diethyldithiocarbamato-S,S')nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1109	14100-15-3	Bis(quinolin-8-olato-N1,O8)nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1110	52486-98-3	Bis[(2-hydroxyethyl)dithiocarbamate-S,S']nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1111	15843-91-1	Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1112	52486-99-4	Bis[bis(2-hydroxyethyl)dithiocarbamate-S,S']nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1113	84604-95-5	Bis[di(3,5,5-trimethylhexyl)dithiocarbamate-S,S']nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1114	85269-39-2	Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramidato-N2,N3]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1115	76625-10-0	Bis[N-(2-hydroxyethyl)-N-methylglycinato-N,O,ON]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1116	12688-64-1	Bismuth, compound with nickel (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1117	67952-41-4	Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, nickel(2+) salt (2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1118	72152-45-5	C.I. Reactive green 12		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1119	16337-84-1	Carbonic acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1120	17237-93-3	Carbonic acid, nickel(2+) salt (2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1121	67952-43-6	Chloric acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1122	18283-82-4	Citric acid , ammonium nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	-	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1123	22605-92-1	Citric acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1124	63427-32-7	Copper(2+), bis(1,2-ethanediamine -N,N')-, (SP-4-1)-tetrakis(cyanoc)nickelate(2-)(1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1125	51912-52-8	Copper, compound with lanthanum and nickel (4:1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1126	3906-55-6	Cyclohexanecarboxylic acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1127	12170-92-2	Di-μ-carboxylbis(eta-5-2,4-cyclopentadien-1-yl)dinickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1128	99587-11-8	Diammonium tetrachloronickelate(2-)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1129	12168-54-6	Diiron nickel tetraoxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1130	97435-21-7	Diiron nickel zinc tetraoxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1131	83898-70-8	Dimethoxy[29 H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1132	93983-68-7	Dimethylhexanoic acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1133	14874-78-3	Dinickel hexacyanoferrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1134	13775-54-7	Dinickel orthosilicate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1135	19372-20-4	Diphosphoric acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1136	14448-18-1	Diphosphoric acid, nickel(2+) salt (1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1137	13859-60-4	Dipotassium tetrafluoronickelate(2-)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1138	39049-81-5	Dipotassium tris(cyanonickelate(2-))		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1139	12175-27-8	Dysprosium, compound with nickel (1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1140	547-67-1	Ethanedioic acid, nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1141	71720-48-4	Ethyl hydrogen sulphate, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1142	91697-41-5	Fatty acids, C6-19-branched, nickel salts		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1143	84776-45-4	Fatty acids, C8-18 and C18-unsaturated, nickel salts		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1144	68134-59-8	Formic acid, copper nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1145	3349-06-2	Formic acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1146	13877-20-8	Hexaamminenickel(2+) bis[tetrafluoroborate(1-)]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1147	4454-16-4	Hexanoic acid, 2-ethyl-, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1148	11133-76-9	Iron alloy, base,(Fe.Ni)(ferro-nickel)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1149	84852-37-9	Isononanoic acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1150	12196-72-4	Lanthanum, compound with nickel (1:5)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1151	84144-92-3	Leach residues, nickel-vanadium ore - Residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with minor quantities of		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1152	12031-65-1	Lithium nickel oxide (LiNiO2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1153	12673-58-4	Molybdenum nickel oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1154	14177-55-0	Molybdenum nickel oxide (MoNiO4)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1155	61788-71-4	Naphthenic acids, nickel salts		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1156	51818-56-5	Neodecanoic acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1157	52022-10-3	Nickel [R(R*,R*)]-tartrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1158	14998-37-9	Nickel acetate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1159	6018-89-9	Nickel acetate tetrahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1160	51222-18-5	Nickel acrylate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1161	12635-29-9	Nickel alloy, base , Ni,Al		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1162	15699-18-0	Nickel ammonium sulfate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1163	39819-65-3	Nickel bis(benzenesulphonate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1164	18718-11-1	Nickel bis(dihydrogen phosphate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1165	14507-36-9	Nickel bis(phosphinate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1166	41476-75-9	Nickel bis(piperidine-1-carbodithioate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1167	36026-88-7	Nickel bisphosphinate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1168	12619-90-8	Nickel boride		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1169	12007-01-1	Nickel boride (Ni2B)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1170	12007-02-2	Nickel boride (Ni3B)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

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1171	12007-00-0	Nickel boride (NiB)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1172	13462-88-9	Nickel bromide (NiBr2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1173	7789-49-3	Nickel bromide (NiBr2), trihydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1174	12710-36-0	Nickel carbide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1175	12612-55-4	Nickel carbonyl		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1176	557-19-7	Nickel cyanide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1177	553-71-9	Nickel dibenzoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1178	14550-87-9	Nickel dibromate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1179	15521-65-0	Nickel dimethyldithio carbamate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1180	13842-46-1	Nickel dipotassium bis(sulphate)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1181	13689-92-4	Nickel dithiocyanate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1182	10028-18-9	Nickel fluoride (NiF ₂)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1183	13940-83-5	Nickel fluoride (NiF ₂), tetrahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1184	15843-02-4	Nickel formate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1185	14332-34-4	Nickel hydrogen phosphate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1186	11113-74-9	Nickel hydroxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1187	12054-48-7	Nickel hydroxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1188	12125-56-3	Nickel hydroxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1189	27637-46-3	Nickel isoocanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1190	94275-78-2	Nickel methacrylate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1191	14216-75-2	Nickel nitrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1192	13138-45-9	Nickel nitrate (2+ salt)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1193	17861-62-0	Nickel nitrite		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1194	11099-02-8	Nickel oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1195	1314-06-3	Nickel oxide (Ni2O3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1196	12035-36-8	Nickel oxide (NiO2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1197	13637-71-3	Nickel perchlorate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1198	12035-64-2	Nickel phosphide (Ni2P)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1199	15060-62-5	Nickel selenate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1200	1314-05-2	Nickel selenide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1201	12059-14-2	Nickel silicide (Ni ₂ Si)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1202	12035-57-3	Nickel silicide (NiSi)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1203	12201-89-7	Nickel silicide (NiSi ₂)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1204	7786-81-4	Nickel sulfate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1205	12259-56-2	Nickel sulfide (Ni ₂ S ₃)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1206	16812-54-7	Nickel sulfide (NiS)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1207	12142-88-0	Nickel telluride		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1208	12035-38-0	Nickel tin trioxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1209	12035-39-1	Nickel titanium oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1210	12653-76-8	Nickel titanium oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1211	69011-05-8	Nickel titanium tungsten oxide (NiTi20W2O47)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1212	14177-51-6	Nickel tungsten oxide (NiWO4)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1213	15780-33-3	Nickel uranium oxide (NiU3O10)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1214	71767-12-9	Nickel uranyl tetraacetate, of uranium depleted in uranium-235		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1215	52502-12-2	Nickel vanadium oxide (NiV2O6)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1216	70692-93-2	Nickel zirconium oxide (NiZrO3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1217	53199-85-2	Nickel(1+), [1-(2-amino-4-imino-5(4H)-thiazolylidene)-N-[1-(2-amino-4-imino-5(4H)-thiazolylidene)-1H-isindol-3-yl]-1H-isindol-3-aminato]-,		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1218	60700-37-0	Nickel(2+) acrylate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1219	18721-51-2	Nickel(2+) hydrogen citrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1220	52496-91-0	Nickel(2+) methacrylate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1221	85508-44-7	Nickel(2+) neodecanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1222	93920-10-6	Nickel(2+) neononanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1223	93920-09-3	Nickel(2+) neoundecanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1224	13001-15-5	Nickel(2+) oleate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1225	13654-40-5	Nickel(2+) palmitate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1226	3349-08-4	Nickel(2+) propionate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1227	10101-96-9	Nickel(2+) selenite		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1228	21784-78-1	Nickel(2+) silicate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1229	7757-95-1	Nickel(2+) sulphite		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1230	16083-14-0	Nickel(2+) trifluoroacetate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1231	68958-89-4	Nickel(2+), bis(1,2-ethanediamine -N,N')-, bis[bis(cyano-C)aurate(1-)]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1232	71215-98-0	Nickel(2+), bis(1,2-ethanediamine -N,N')-, salt with dimethylbenzenesulfonic acid (1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1233	18972-69-5	Nickel(2+), bis(1,2-propanediamine)-, bis[dicyanoaurate(1-)]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1234	21264-77-7	Nickel(2+), bis(ethylenediamine)-, sulfate (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1235	68758-60-1	Nickel(2+), hexaammine-, (OC-6-11)-, diformate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1236	108818-89-9	Nickel(2+), hexakis(1H-imidazole-N3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1237	71215-97-9	Nickel(2+), tris(1,2-ethanediamine-N,N')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1238	68309-97-7	Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, bis[tetrafluoroborate(1-)]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1239	38780-90-4	Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, dinitrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1240	67806-76-2	Nickel(2+), hexaammine-, (OC-6-11)-, carbonate (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1241	51467-07-3	Nickel(2++), hexaamine-, dihydroxide, (OC-6-11)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1242	7718-54-9	Nickel(II) chloride		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1243	7791-20-0	Nickel(II) chloride hexahydrate (1:2:6)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1244	14708-14-6	Nickel(II) fluoroborate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1245	26043-11-8	Nickel(II) fluosilicate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1246	6283-67-6	Nickel(II) fumarate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1247	13462-90-3	Nickel(II) iodide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1248	85508-43-6	Nickel(II) isodecanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1249	29317-63-3	Nickel(II) isooctanoate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1250	13478-00-7	Nickel(II) nitrate, hexahydrate (1:2:6)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1251	10101-97-0	Nickel(II) sulfate hexahydrate (1:1:6)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1252	70776-98-6	Nickel, (2-ethylhexanoate-O)-(trifluoroacetate-O)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1253	67763-27-3	Nickel, (2-propanol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1254	39430-27-8	Nickel, (carbonato(2-))tetrahydroxytri-, tetrahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1255	68133-84-6	Nickel, [(2-amino-2-oxoethoxy)acetato(2-)]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1256	71889-22-0	Nickel, [1,1'-[1,2-bis(4,5,6,7-tetrachloro-1-oxo-1H-indol-3-yl)hydrazono]ethyl]-2,4(1H,3H)-quinolinedione		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1257	20437-10-9	Nickel, [[1,1'-[1,2-phenylenebis(nitrilomethylidene)]bis[2-naphthalenolato]](2-)-N,N',O,O']-, (SP-4-2)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1258	71215-73-1	Nickel, [[2,2'-(methylenbis(thio))bis[acetato]](2-)]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1259	16432-37-4	Nickel, [[2,2'-sulfonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O1,O1',O2]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1260	27574-34-1	Nickel, [[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1261	42844-93-9	Nickel, [1,3-dihydro-5,6-bis[[2-hydroxy-1-naphthalenyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]-, (SP-4-2)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1

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1262	14055-02-8	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1263	90459-35-1	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfonamide derivatives.		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1264	93573-17-2	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivatives, reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compounds with pyridine		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1265	28680-76-4	Nickel, [29H,31H-phthalocyanine-C,C,C,C-tetrasulfonyl tetrachloridato(2-)-N29,N30,N31,N32]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1266	85958-80-1	Nickel, [2-hydroxybenzoic acid [3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene]hydrazide]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1267	12334-31-5	Nickel, [carbonato(2-)]hexahydroxytetra-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1268 71889-20-8	Nickel, [N-(4-chlorophenyl)-2-[3-[[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]methylene]hydrazino]-1H-indol-1-ylidene]-2-cyanoacetamid		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1269 13869-33-5	Nickel, [N-(carboxymethyl)glycinato(2-)-N,O,O,N]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1270 72986-45-9	Nickel, [N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C,C-tetrasulfonamido(2-)-N29,N30,N31,N		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1271 72252-57-4	Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamido(2-)-N29,N30,N31,N		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1272 85480-75-7	Nickel, 2,2'-thiobis[4-nonylphenol] complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1273 90459-30-6	Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1274	90459-34-0	Nickel, acetylacetonate-6-methyl-2,4-heptanedione complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1275	106316-55-6	Nickel, aqua[2-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]benzoato(2-)]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1276	3264-82-2	Nickel, bis(2,4-pentanedionato-O,O')-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1277	68912-08-3	Nickel, bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1278	70833-37-3	Nickel, bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximate-N2,O1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1279	13927-77-0	Nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1280	14267-17-5	Nickel, bis(diethylcarbamodithioato-S,S')-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1281	85298-61-9	Nickel, bis(diisononyl carbamodithioato-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1282	36259-37-7	Nickel, bis(dipentyl carbamodithioato-S,S')-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1283	36545-21-8	Nickel, bis(phenyldiaz enecarbothioic acid 2-phenylhydrazidato)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1284	68189-15-1	Nickel, bis[(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O']-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1285	83864-02-2	Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1286	77245-35-3	Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)bis[carbamato]](2-)]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1287	38951-97-2	Nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced											
CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1288	28984-20-5	Nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1289	51449-18-4	Nickel, bis[1-(4-(diethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1290	38465-55-3	Nickel, bis[1-(4-(dimethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1291	42739-61-7	Nickel, bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butanamidato]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1292	29204-84-0	Nickel, bis[2,3-bis(hydroxyimino)-N-phenylbutanamidato-N2,N3]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1293	56557-00-7	Nickel, bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1294	38951-94-9	Nickel, bis[2-butene-2,3-dithiolato(2-)-S,S']-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1295	51931-46-5	Nickel, bis[3-(4-chlorophenyl)azo]-2,4(1H,3H)-quinolinedione]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1296	15317-78-9	Nickel, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1297	71605-83-9	Nickel, bis[N-(hydroxy-3-(hydroxyimino)-N'-(2-methoxyphenyl)butanimidamido-N',N3]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1298	90459-31-7	Nickel, borate C8-10-branched carboxylate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1299	92502-55-1	Nickel, borate neodecanoate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1300	93573-15-0	Nickel, C4-10 fatty acids naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1301	93573-16-1	Nickel, C4-10 fatty acids octanoate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1302	93762-59-5	Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1303	93573-14-9	Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1304	92200-98-1	Nickel, C5-23-branched carboxylate naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1305	92200-99-2	Nickel, C5-25-branched carboxylate naphthenate octanoate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1306	90459-32-8	Nickel, C5-C23-branched carboxylate octanoate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1307	12034-55-8	Nickel, compound with niobium (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1308	12059-23-3	Nickel, compound with tin (3:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1309	12142-92-6	Nickel, compound with zirconium (1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1310	14264-16-5	Nickel, dichlorobis(tri phenylphosphine)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1311	85585-97-3	Nickel, isodecanoate naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1312	85585-98-4	Nickel, isononanoate naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1313	90459-33-9	Nickel, isooctanoate naphthenate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1314	85585-99-5	Nickel, naphthenate neodecanoate complexes		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1315	14221-00-2	Nickel, tetrakis(triphenyl phosphite- P)-, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1316 35884-66-3	Nickel, tetrakis[tris(methylphenyl)phosphite-P]-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1317 67906-12-1	Nickelate(1-), [[N,N'-1,2-ethanediy]bis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,O N"-, potassium.		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1318 61300-98-9	Nickelate(1-), [3,4-bis[(2-hydroxy-1-naphthalenyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]-, hydrogen		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1319 34831-03-3	Nickelate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O"]-, hydrogen, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1320 24640-21-9	Nickelate(1-), trichloro-, ammonium		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1321 25481-21-4	Nickelate(2-), [[N,N'-1,2-ethanediy]bis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,O N"-, dihydrogen.		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1322 14038-85-8	Nickelate(2-), tetrakis(cyano-C)-, disodium, (SP-4-1)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	

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1323	71243-96-4	Nickelate(3-), [22-[[[3-(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(5-)-N29,N30,N31,N32]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1324	79817-91-7	Nickelate(3-), [5-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-3-[(2-hydroxy-3-nitro-5-sulfophenyl)azo]-2,7-naphthalenedisulfonato(5-)-, trisodium]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1325	72229-81-3	Nickelate(3-), [C-[[[3-(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulfonyl]-C,C,C-tris(aminosulfonyl)-29H,31H-phthalocyanine-C,C,C-trisulfonato(5-)-N29,N30,N31,N32]		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1326	68025-40-1	Nickelate(3-), [N,N-bis(phosphonmethyl)glycinate(5-)-, triammonium, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1327	63597-34-2	Nickelate(3-), [N,N-bis(phosphonmethyl)glycinate(5-)-, tripotassium, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1328	68025-41-2	Nickelate(3-), [N,N-bis(phosphonmethyl)glycinate(5-)-, trisodium,(T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1329	63588-33-0	Nickelate(4-), [[[[nitri]lotris(methylene)]tris[p]hosphonato]](6-)-N,OP,OP',OP''], -, tetrapotassium, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1330	68052-00-6	Nickelate(4-), [[[[nitri]lotris(methylene)]tris[p]hosphonato]](6-)-N,OP,OP',OP''], -, tetrasodium, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1331	67968-22-3	Nickelate(4-), [[[[nitri]lotris(methylene)]tris[p]hosphonato]](6-)-N,OP,OP',OP''], -, triammonium hydrogen, (T-4)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1332	70729-79-2	Nickelate(4-), [22-[[[4-sulfophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen,		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1333	90459-36-2	Nickelate(4-), [bis[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine]edisulfonato(6-)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1334	93891-86-2	Nickelate(6-), [4-[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[[trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1335	68698-80-6	Nickelate(6-), [4-[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[[trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1336	72453-55-5	Nickelate(6-), [C-[[[3-[[[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-N29,N30,N31,N		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1337	68958-86-1	Nickelate(6-), [[1,2-ethanediy]bis[nitrilobis(methylene)]tetrakis[phosphonato](8-)], pentaammonium hydrogen,(OC-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1338	68958-87-2	Nickelate(6-),[[[1,2-ethanediy]bis[nitrilobis(methylene)]tetrakis[phosphonato]](8-)], pentapotassium hydrogen,(OC-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1339	68958-88-3	Nickelate(6-),[[[1,2-ethanediy]bis[nitrilobis(methylene)]tetrakis[phosphonato]](8-)], pentasodium hydrogen,(OC-6-21)-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1340	72139-08-3	Nickelate(8-), bis[3-[(2-amino-8-hydroxy-6-sulfo-1-naphthalenyl)azo]-2-hydroxy-5-sulfobenzoato(5-)]-, hexasodium dihydrogen		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1341	2223-95-2	Octadecanoic acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1342	4995-91-9	Octanoic acid, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1343	20543-06-0	Oxalic acid, nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1344	13520-61-1	Perchloric acid, nickel(2+) salt, hexahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1345	30947-30-9	Phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1346	17169-61-8	Phosphoric acid, calcium nickel salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1347	10381-36-9	Phosphoric acid, nickel(2+) salt (2:3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1348	63640-18-6	Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']nickelate(1-)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1349	1303-22-6	Rammelsbergite (NiAs ₂)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1350	31748-25-1	Silicic acid (H ₂ SiO ₃), nickel(2+) salt (4:3)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1351	13770-89-3	Sulfamic acid, nickel(2+) salt (2:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1352	7785-20-8	Sulfuric acid, ammonium nickel(2+) salt		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1353	72162-32-4	Sulfuric acid, nickel salt, reaction products with sulfurized calcium phenolate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1354	10101-98-1	Sulfuric acid, nickel(2+) salt (1:1), heptahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1355	68585-48-8	Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1356	15851-52-2	Telluric acid (H ₂ TeO ₃), nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1357	15852-21-8	Telluric acid (H ₂ TeO ₄), nickel(2+) salt (1:1)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1358	79102-62-8	Tetrahydrogen [[[(3-amino-4-sulphophenyl) amino]sulphonyl]-29H,31H-phthalocyanin etrisulphonato (6-)-N29,N30,N31,N32]nickelate(4-		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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P:Prohibited M:Management R: Reduced											
CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision	
1359	13859-65-9	Tetrakis(trifluorophosphine)nickel	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1360	93939-76-5	Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrissulphonato(6-)-N29,N30,N31,N32]nickelate(4-	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1361	97280-68-7	Tetrasodium [bis[[[4-[[2-(sulphoxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninetrissulphonato(6)-	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1362	34109-80-3	Titanate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)-	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1363	30868-55-4	Zirconate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)-	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1364	42612-06-6	Zirconium alloy, base, Zr 40-82, Ni 18-60	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	
1365	198831-12-8	Aluminiummagnesiumnickelsiliziumoxide	M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1	

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1366	8007-18-9	Antimony nickel titanium oxide yellow		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1367	12645-50-0	Iron nickel zinc oxide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1368	14406-71-4	methyl 3-chlorobenzothioephene-2-carboxylate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1369	68511-62-6	5,5-Azobis(2,4,6-pyrimidinetriol), nickel complex		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1370	71631-15-7	Chrome iron nickel black spinel		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1371	68611-43-8	Nickel niobium titanium yellow rutile		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1372	14396-43-1	Nickel phosphate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)		Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1

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1373	11113-75-0	Nickel sulfide		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1374	90053-13-7	Phosphoric acid,compound s,nickel(2+) zinc salt (2:1:2)		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1375	501953-51-1	Phosphoric acid,compound s,nickel(2+) zinc salt (2:1:2) tetrahydrate		M	-	EU REACH Regulations Annex XVII (restricted the usage and applications)			Plating, alloy, pigments	Plating, alloy, pigments	Nickel and compounds The prohibition usage doesn't correspond to the Yanmar	REV5.1
1376	—	Carcinogen		R	-	EU REACH Regulations Annex XVII (restricted the usage and applications)					The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1377	—	Mutagenicity substances		R	-	EU REACH Regulations Annex XVII (restricted the usage and applications)					The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1378	—	Reproductive toxicity substances		R	-	EU REACH Regulations Annex XVII (restricted the usage and applications)					The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1379	8001-58-9	creosote		P	0.0w %	EU REACH Regulations Annex XVII (restricted the usage and applications)			Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicabili	REV5.1

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1380	8001-58-9 61789-28-4	creosote oil		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1381	84650-04-4	distillates (coal tar), naphthalene oils		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1382	90640-84-9	creosote oil, acenaphthene fraction		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1383	65996-91-0	distillates (coal tar), upper		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1384	65996-85-2	tar acids, coal, crude		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1385	8021-39-4	creosote, wood		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1386	122384-78-5	low temperature tar oil, alkaline		P	0.0w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Substances and compounds used for wood treatment	Substances and compounds used for wood treatment	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1387	67-66-3	Chloroform		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Cleaning agent and medicine	Refrigerant and antiseptics	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1388	79-00-5	1,1,2-trichloroethane, Vinyl trichloride		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Solvents	Solvents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1389	79-34-5	1,1,2,2-tetrachloroethane		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Solvents	Solvents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1390	630-20-6	1,1,1,2-tetrachloroethane		R	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Solvents	Solvents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1391	76-01-7	Pentachloroethane		R	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	Solvents	Solvents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1392	156-59-2 156-60-5 540-59-0	1, 1-dichloroethane ; vinylidene dichloride		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	resin, rubber, electric tube	Vinyl chloride material	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1393	—	Substances classified as extremely flammable despite the fact they satisfy flammable standards in 67/548/EEC and defined in (EC)No1272/2008 Annex VI		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	resin, rubber, electric tube		The prohibition usage doesn't correspond to the Yanmar product	REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1394	67-72-1	Hexachloroethane		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	resin, rubber, electric tube	Aluminum manufacturing and smoke projectile	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1395	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	resin, rubber, electric tube	rubber, paint, gasket, adhesive, lubricant, fireproofing agent, plasticizer	The prohibition usage doesn't correspond to the Yanmar product Managed substance for ship recycle convention	REV5.1
1396	—	Azo dyes		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	/	resin, rubber, electric tube		Management substance for REACHT There are some applications excluded from applicability	REV5.1
1397	32536-52-0	Octabromodiphenyl ether (Octa-BDE)		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Rubber, resin, woven fabric, flame retardants in polymers.	Management substance for REACHT	REV5.1
1398	25154-52-3	Nonylphenol		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Residues on metals, leather and textiles from their processing	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1399	—	Nonylphenolethoxylates		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Surfactants, leather processing	Management substance for REACHT There are some applications excluded from applicability	REV5.1
1400	26264-02-8	14-(Nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenolethoxylates	REV5.1

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CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1401	27177-08-8	3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1402	26571-11-9	3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 26-(nonylphenoxy)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1403	27177-05-5	3,6,9,12,15,18,21-Heptaotricosan-1-ol, 23-(nonylphenoxy)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1404	65455-72-3	Decaethylene glycol, isononylphenyl ether	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1405	27176-93-8	Ethanol, 2-[2-(nonylphenoxy)ethoxy]-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1406	7311-27-5	Ethanol, 2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1407	20636-48-0	Nonylphenol polyethylene glycol ether	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1408	27177-01-1	Nonylphenol polyethylene glycol ether	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1409	26027-38-3	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1410	68412-54-4	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1411	127087-87-0	Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1412	51938-25-1	Poly(oxy-1,2-ethanediyl), .alpha.-(2-nonylphenyl)-.omega.-hydroxy-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1
1413	37205-87-1	Poly(oxy-1,2-ethanediyl), .alpha.-(isononylphenyl)-.omega.-hydroxy-	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube		Nonylphenol ethoxylates	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1414	—	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual		M	0.1w %	EU REACH Regulations SVHC			Auxiliaries for yarn, cleaning, car care products, paint, printing inks, water-based paint, wetting agent of insecticide, metal lubricant, plastic plasticizer, antioxidant	Management substance for REACH	REV5.20
1415	108-88-3	Toluene		M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	Residues in adhesives and paints.	Residues in adhesives and paints.	Residues in adhesives and paints.	Management substance for REACH There are some applications excluded from	REV5.1
1416	120-82-1 12002-48-1	Trichlorobenzene		P	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	Residues in adhesives and paints.	Residues in adhesives and paints.	Residues in adhesives and paints.	Management substance for REACH There are some applications excluded from	REV5.1
1417	50-32-8	Benzo[a]pyrene		P	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1418	192-97-2	Benzo[e]pyrene		P	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1419	56-55-3	Benzo[a]anthracene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1420	218-01-9	Chrysene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1421	205-99-2	Benzo[b]fluoranthene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1422	205-82-3	Benzo[j]fluoranthene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1423	207-08-9	Benzo[k]fluoranthene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1424	53-70-3	Dibenzo[a,H]anthracene		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	Tire rubber	Tire rubber		Management substance for REACH There are some applications excluded from	REV5.1
1425	117-81-7	Bis(2-ethylhexyl)phthalate (DEHP) Di(2-ethylhexyl)phthalate		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer of vinyl chloride	Management substance for REACH	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1426	84-74-2 201-557-4	Dibutyl phthalate (DBP), di-n-butyl phthalate		P	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer of vinyl chloride	Management substance for REACH	REV5.1
1427	28553-12-0 68515-48-0	di-isononyl phthalate (DINP)		M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer	Management substance for REACH There are some applications excluded from	REV5.1
1428	68515-49-1 26761-40-0	Di-isodecyl phthalate (DIDP)		M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer	Management substance for REACH There are some applications excluded from	REV5.20
1429	26761-40-0 68515-49-1	Diisodecyl phthalate (DIDP)	DIDP	M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer, solvent	Management substance for REACH There are some applications excluded from	REV5.1
1430	117-84-0	Di-n-octyl phthalate (DNOP)		M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer	Management substance for REACH There are some applications excluded from	REV5.1
1431	84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		M	0.1w %	EU REACH Regulations SVHC			not prepared for analysis only	Management substance for REACH	REV5.20
1432	605-50-5	Diisopentylphthalate		M	0.1w %	EU REACH Regulations SVHC			Manufacture of insecticides, Plasticizer of PVC	Management substance for REACH	REV5.20
1433	776297-69-9	N-pentyl-isopentylphthalate		M	0.1w %	EU REACH Regulations Annex XVII (restricted the usage and applications) EU REACH			Plasticizer for plastic	Management substance for REACH	REV5.20

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1434	111-77-3	2-(2-Methoxyethoxy)ethanol (DEGME)		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	LLC, brake fluids, lubricant, ink, plasticizer of softening agent of cloth and cork, adhesives, paper, packaging materials,	Management substance for REACH There are some applications excluded from applicability	REV5.1
1435	112-34-5	2-(2-Butoxyethoxy)ethanol (DEGBE)		P	3.0w% Management is 0.1w%.	EU REACH Regulations Annex XVII (restricted the usage and applications)	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.		Management substance for REACH There are some applications excluded from	REV5.1
1436	26447-40-5	Diphenylmethane diisocyanate (MDI)		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.		Management substance for REACH There are some applications excluded from	REV5.1
1437	6484-52-2	Ammonium nitrate		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	Solvents and cleaning agents	Solvents and cleaning agents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1438	110-82-7	Cyclohexane		M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	Solvents and cleaning agents		The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1439	1975-9-2	Dichloromethane	Methylene chloride (methylene chloride)	M	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	—	Solvents and cleaning agents	Solvents and cleaning agents	The prohibition usage doesn't correspond to the Yanmar product	REV5.1
1440	79-06-1 201-173-7	Acrylamide		P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications)	resin, paint, pigment	resin, paint, pigment	Production of polyacrylamide (residual monomer)	Management substance for REACH	REV5.1

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1441	624-49-7	Dimethyl fumarate		P	0.1mg/Kg	EU REACH Regulations Annex XVII (restricted the usage and applications)	Fungicide and desiccant of leather product	Desiccant	Desiccant	Management substance for REACH It comes into effect to	REV5.11
1442	101-77-9 202-974-4	4,4'-Diaminodiphenylmethane (MDA), 4,4'-methylenedianiline		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	LLC, break fuluids, lubilucant, cloth fiberfiber, resin and rubber.	Preliminary and intermediate product of resins, adhesives, dyes, curing agent,	Management substance for REACH	REV5.1
1443	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)			Spice reinforcement medicine used for detergent, spice, and flexibility medicine	Management substance for REACH	REV5.1
1444	120-12-7 204-371-1	Anthracene		M	0.1w%	EU REACH Regulations SVHC	ink, resin	ink, resin	Carbon black raw material, plastics product, dyestuff, and catalyst	Management substance for REACH	REV5.1
1445	292-602-7 90640-80-5	Anthracene oil		M	0.1w%	EU REACH Regulations SVHC	—	Preservative	Substances and compounds used for wood treatment	Management substance for REACH	REV5.1
1446	292-603-2 90640-81-6	Anthracene oil, anthracene paste		M	0.1w%	EU REACH Regulations SVHC	—	Preservative and water-proof material	Substances and compounds used for wood treatment	Management substance for REACH	REV5.1
1447	295-275-9 91995-15-2	Anthracene oil, anthracene paste, anthracene fraction		M	0.1w%	EU REACH Regulations SVHC	—	Preservative and water-proof material	Substances and compounds used for wood treatment	Management substance for REACH	REV5.1
1448	295-278-5 91995-17-4	Anthracene oil, anthracene paste, distn. lights		M	0.1w%	EU REACH Regulations SVHC	—	Preservative and water-proof material	Substances and compounds used for wood treatment	Management substance for REACH	REV5.1
1449	292-604-8 90640-82-7	Anthracene oil, anthracene-low		M	0.1w%	EU REACH Regulations SVHC	—	Preservative and water-proof material	Substances and compounds used for wood treatment	Management substance for REACH	REV5.1
1450	85-68-7 201-622-7	Benzyl butyl phthalate (BBP)		P	0.1w%	EU REACH Regulations Annex XIV (authorisations) EU REACH Regulations Annex XVII (restricted the	—	Preservative and water-proof material	Insecticide, wood preservative, and plasticizer	Management substance for REACH	REV5.1

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1451	7646-79-9	Cobalt dichloride	CoCl2	M	0.1w%	EU REACH Regulations Annex XIV (authorisations)	-	Desiccant	Dry and wet indicator (Use it with	Management substance for REACH	REV5.1
1452	1303-28-2	Diarsenic pentaoxide		P	0.1w%	EU REACH Regulations Annex XIV (authorisations)	paint, glass, resin	paint, glass, resin	Paints, processing metal the special glass additive, and wood preservative	Management substance for REACH Time limit of authorization application is 21 Nov. 2013 Sun sets day is 21	REV5.1
1453	1327-53-3	Diarsenic trioxide	ARSENIC TRIOXIDE, Arsenic(III)oxide, Arsenous oxide anhydride	P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	glass	-	Raw material of metallic arsenic, lucidity medicine of special glass (decolor agent and defoaming agent)	Management substance for REACH Time limit of authorization application is 21 Nov. 2013 Sun sets day is 21	REV5.1
1454	121-14-2	2,4-Dinitrotoluene		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	-	-	Raw material of toluene diisocyanate synthesis	Management substance for REACH Time limit of authorization application is 21 Nov. 2013 Sun sets day is 21	REV5.1
1455	84-69-5	Diisobutyl phthalate		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	resin, rubber, electric tube	resin, rubber, electric tube	Plasticizer, for manufacturing such as plastic, dynamites, and paints in the combination with other plasticizers as the gel accelerant.	Management substance for REACH Time limit of authorization application is 21 Aug. 2013 Sun sets day is 21	REV5.1

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1456	134237-51-7 134237-50-6 134237-52-8 25637-99-4 3194-55-6	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane, Beta-hexabromocyclododecane, Gamma-hexabromocyclododecane		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	-	-		Management substance for REACH	REV5.1
1457	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	Lead chromate molybdate sulphate red/C.I.	P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	resin, rubber, electric tube	resin, rubber, electric tube	Rubber, plastic, paints, colorant of surface treatment etc. , coating agent's pigments and plastic colorant, and print	Management substance for REACH Time limit of authorization application is 21 Nov. 2013 Sun sets day is 21	REV5.1
1458	7784-40-9	Lead hydrogen arsenate		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III		preservative	Insecticide, wood preservative	Management substance for REACH There are some applications excluded from	REV5.1
1459	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	resin, rubber, electric tube	resin, rubber, electric tube	Rubber, plastic, paints, colorant of surface treatment etc. , coating agent's pigments and plastic colorant, print, and bleach	Management substance for REACH Time limit of authorization application is 21 Nov. 2013 Sun sets day is 21	REV5.1
1460	65996-93-2	Pitch, coal tar, high temp.		M	0.1w%	EU REACH Regulations SVHC	resin, rubber, electric tube	resin, rubber, electric tube	Raw material for electrode, Insulation filling thing, bonding	Management substance for REACH	REV5.1
1461	427-700-2 15606-95-8	Triethyl arsenate		M	0.1w%	EU REACH Regulations SVHC	resin, rubber, electric tube	resin, rubber, electric tube		Management substance for REACH	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1462	115-96-8	Tris(2-chloroethyl)phosphate		P	0.0w%	EU REACH Regulations Annex XIV (authorisations)	resin, rubber, electric tube	resin, rubber, electric tube	resin, rubber, electric tube, and viscous adhesive that combined fire retarding materials such as acrylic resin, polyurethanes, and vinyl chlorides, adhesive and fire retarding	Management substance for REACH Time limit of authorization application is 21 Feb. 2013 Sun sets day is 21 Aug. 2015	REV5.1
1463	79-01-6 201-167-4	Trichloroethylene		M	0.1w%	EU REACH Regulations SVHC	adhesive, paking	Cleaning agent and adhesive	Washing, removing metallic part, and adhesive solvent	Management substance for REACH	REV5.1
1464	233-139-2 234-343-4 10043-35-3 11113-50-1	Boric acid		M	0.1w%	EU REACH Regulations SVHC	glass	preservative, glass	cruel thing medicine, preservative, personal care products, food additive, the glass, ceramic, rubber, commercial fertilizer, fire retarding material, and paints, industrial fluid, brake fluid	Management substance for REACH	REV5.1
1465	215-540-4 1303-96-4 1330-43-4 12179-04-3	Disodium tetraborate, anhydrous		M	0.1w%	EU REACH Regulations SVHC	glass	preservative, glass	The glass, glass fiber, ceramic, detergent, cleaning agent, personal care products, industrial fluid, metallurgy, adhesive, fire retarding material, and cruel thing medicine and commercial	Management substance for REACH	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1466	235-541-3 12267-73-1	Tetraboron disodium heptaoxide, hydrate		M	0.1w%	EU REACH Regulations SVHC	glass	preservative, glass	The glass, glass fiber, ceramic, detergent, cleaning agent, personal care products, industrial fluid, metallurgy, adhesive, fire retardant material, and cruel thing medicine and commercial	Management substance for REACH	REV5.1
1467	10124-43-3	Cobalt(II) sulphate		M	0.1w%	EU REACH Regulations SVHC	plating, alloy, pigment	plating, alloy, pigment	Manufacturing of chemical, catalyst and desiccant, surface treatment (galvanization etc.) for corrosion control, pigment, bleach (glass, earthenware), battery, supplement for the animal and	Management substance for REACH	REV5.1
1468	10141-05-6	Cobalt(II) dinitrate		M	0.1w%	EU REACH Regulations SVHC	plating, battery	plating, battery	chemical, catalyst, surface treatment and	Management substance for REACH	REV5.1
1469	513-79-1	Cobalt (II) carbonate		M	0.1w%	EU REACH Regulations SVHC	pigment, adhesive	pigment, adhesive	chemical, catalyst, pigment and adhesive (grand	Management substance for REACH	REV5.1
1470	71-48-7	Cobalt(II) diacetate		M	0.1w%	EU REACH Regulations SVHC	plating, alloy, pigment	plating, alloy, pigment	chemical, catalyst, surface treatment, alloy, pigment, dyeing, rubber adhesive and feed additive.	Management substance for REACH	REV5.1
1471	109-86-4	2-Methoxyethanol, ethylene glycol monomethyl ether		M	0.1w%	EU REACH Regulations SVHC	resin, rubber, electrical tube	resin, rubber, electrical tube	Prohibited as impurity in Diethylene glycol methyl ether and in hard	Management substance for REACH	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1472	110-80-5	2-Ethoxyethanol, ethylene glycol monoethyl		M	0.1w%	EU REACH Regulations SVHC		solvent	agents in polyester resins, PES-fibers,	Management substance for REACH	REV5.1
1473	1333-82-0	Chromium trioxide	Chromic acid anhydride	P	0.1w%	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	paint, pigment	paint, pigment	Pigments, paints, medicine, medicine medium, synthetic medium, catalyst, chromium plating, and tannery	Management substance for REACH There are some applications excluded from applicability	REV5.1
1474	7738-94-5 13530-68-2 未設定	Acids generated from chromium trioxide and their oligomers Group containing:Chromic acid Group containing: Dichromic acid Oligomers of chromic acid		P	0.1w%	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US			Dissolution of chromium trioxide	Management substance for REACH There are some applications excluded from applicability	REV5.1
1475	111-15-9	2-ethoxyethyl acetate	ethylene glycol monoethyl ether acetate	M	0.1w%	EU REACH Regulations SVHC	ink, paint	ink, paint	Paints for metal products and furniture, solvent of ink	Management substance for REACH	REV5.1
1476	7789-6-2	Strontium chromate		P	0.1w%	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	paint	paint	Coating usage like paints, varnish, oil paints, and sealant, etc for vehicle, coil, etc	Management substance for REACH There are some applications excluded from applicability	REV5.1
1477	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		M	0.1w%	EU REACH Regulations SVHC	ink, resin, pigment, lubricant	ink, resin, pigment, lubricant	Plasticizer, dyestuff, pigments, paints, ink, adhesive, and	Management substance for REACH	REV5.1
1478	302-01-2 7803-57-8	Hydrazine		M	0.1w%	EU REACH Regulations SVHC	resin, rubber, electronic tube	resin, rubber, electronic tube	Plastic blowing agent, catalyst and cleaning agent	Management substance for REACH	REV5.1

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1479	872-50-4	1-methyl-2-pyrrolidone	N-Methylpyrrolidone	M	0.1w%	EU REACH Regulations SVHC	resin, rubber, electronic tube and electrical equipment	resin, rubber, electronic tube and electrical equipment	resin solvent, acetylene solvent for MOS semiconductor manufacturing, Closing removal of etching, photoresist removal, agricultural chemicals, medicine, fiber supplementary agent, plasticizers, stabilization substance, medium such as special ink, and	Management substance for REACH	REV5.1
1480	96-18-4	1,2,3-trichloropropane		M	0.1w%	EU REACH Regulations SVHC	—	—	As solvent and as trifunctional cross-linking agent e.g. for polysulphide elastomers	Management substance for REACH	REV5.1
1481	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	(DIHP)	M	0.1w%	EU REACH Regulations SVHC	ink, resin, pigment, paint and rubber	ink, resin, pigment, paint and rubber	Plasticizer, dyestuff, pigments, paints, ink, adhesive, and	Management substance for REACH	REV5.1
1482	24613-89-6	Chromium III chromate; chromic chromate		M	0.1w%	EU REACH Regulations SVHC	Plating solution	Plating solution	Plating solution	Management substance for REACH	REV5.1

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1483	11103-86-9	potassium hydroxyoctaoxodizincatedichromate(1-)	ZINC POTASSIUM CHROMATE S;Zinc Potassium Chromate;Potassium zinc chromate hydroxide;POTASSIUM ZINC CHROMATE HYDROXIDE, as Cr;POTASSIUM HYDROXYOCTAOXODIZINCATEDICHROMATE;potassium hydroxyoctaoxodizincatedichromate(1-);Chromate(1-), hydroxyoctaoxodizincatedi-, potassium;Potassium zinc chromate	M	0.1w%	EU REACH Regulations SVHC	-	presevant	presevant	Management substance for REACH	REV5.1
1484	49663-84-5	pentazinc chromate octahydroxide	Zinc Chromate ZTO;C. I. Pigment Yellow 36 (77955);Pigment yellow 36:1 (C.I. 77956);pentazinc chromate octahydroxide; Zinc chromate hydroxide (Zn5(CrO4)(OH)8);MICRONISED ZINC TETROXY	M	0.1w%	EU REACH Regulations SVHC	-	presevant	presevant	Management substance for REACH	REV5.1
1485	650-017-00-8	CERAMIC FIBRES (ALUMINOSILICATE)		M	0.1w%	EU REACH Regulations SVHC	Heat insulator	Heat insulator	Heat insulator	Management substance for REACH	REV5.1
1486	650-017-00-8	Aluminosilicate Refractory Ceramic Fibres		M	0.1w%	EU REACH Regulations SVHC	Heat insulator	Heat insulator	Heat insulator	Management substance for REACH	REV5.1
1487	25214-70-4	Formaldehyde, polymer with benzenamine	Aniline, polymer with formaldehyde; Aniline • formaldehyde polycondensate;Benzenamine, polymer with formaldehyde; Formaldehyde, polymer with benzenamine;Benzeneamine, polymer with formaldehyde	M	0.1w%	EU REACH Regulations SVHC	resin, adhesive	resin, adhesive	Synthetic raw material. Curing agent of epoxy	Management substance for REACH	REV5.1
1488	117-82-8	Bis(2-methoxyethyl) phthalate		M	0.1w%	EU REACH Regulations SVHC	ink, pigment	ink, pigment	the plasticizer of polymer, paint, and	Management substance for REACH	REV5.1

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1489	90-04-0	o-Anisidine		M	0.1w%	EU REACH Regulations SVHC	—	—	Dyestuff raw material	Management substance for REACH	REV5.1
1490	140-66-9	4-tert-Octylphenol		M	0.1w%	EU REACH Regulations SVHC	ink, resin, pigment, paint and rubber	ink, resin, pigment, paint and rubber	Polymer raw material. Adhesive, coating material, ink, and rubber molding goods element	Management substance for REACH	REV5.1
1491	—	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues		M	0.1w%	EU REACH Regulations SVHC			Emulsifier for emulsion polymerization, textile and leather auxiliaries, pesticide formulation, veterinary products, water-based paint, intermediate in the manufacture of	Management substance for REACH	REV5.20
1492	107-06-2 75-34-3	Ethylene dichloride (1,2-Dichloroethane)		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in	—	solvent	Agrichemical, cleaning agents and	Management substance for REACH	REV5.1
1493	111-96-6	2-Methoxyethyl ether	DEDM;glyme2; DIGLYME;Glyme-2;DIYGLME;*DIGLYME*;Poly-Solv;Catafor MS;Dricoid	M	0.1w%	EU REACH Regulations SVHC	—	solvent	Solvent for reaction. Solvent for electrolyte. Solvent of	Management substance for REACH	REV5.1
1494	7778-39-4	Arsenic acid		M	0.1w%	EU REACH Regulations SVHC	glass, electrical equipment	glass, electrical equipment	Degassing medicine from the ceramic glass melt body. Manufacturing of multilayered circuit board	Management substance for REACH	REV5.1
1495	—	Arsenic and compounds thereof		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		The glass, LED, pigments, preservative, curing agent, and battery	The glass, LED, pigments, dyestuff preservative, curing agent, and battery		REV5.1
1496	7778-44-1	Calcium arsenate		M	0.1w%	EU REACH Regulations SVHC	—	—	in copper, lead, and import raw material for precious	Management substance for REACH	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1497	3687-31-8	Lead arsenate		M	0.1w%	EU REACH Regulations SVHC	—	—	in copper, lead, and import raw material for precious	Management substance for REACH	REV5.1
1498	72629-94-8	PERFLUOROTRIDECAANOIC ACID 97		M	0.1w%	EU REACH Regulations SVHC		—	Fluorine resin additives	Management substance for REACH	REV5.20
1499	307-55-1	Perfluorododecanoic acid		M	0.1w%	EU REACH Regulations SVHC		—	Fluorine resin additives	Management substance for REACH	REV5.20
1500	2058-94-8	Henicosafluoro undecanoic acid		M	0.1w%	EU REACH Regulations SVHC			Fluorine resin additives	Management substance for REACH	REV5.20
1501	376-06-7	PERFLUOROTETRADECANOIC ACID		M	0.1w%	EU REACH Regulations SVHC		—	Fluorine resin additives	Management substance for REACH	REV5.20
1502	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))		M	0.1w%	EU REACH Regulations SVHC			Foaming agent of rubber and synthetic resin, bleach, catalyst, cement filler, colorant, bleach	Management substance for REACH	REV5.20
1503	625-45-6	Methoxy acetic acid		M	0.1w%	EU REACH Regulations SVHC			intermediates of medicine pesticide quarantine, Disinfectant, Cleaning agent for reverse osmosis and ultrafiltration membranes, Detergent agent for industrial / region floor / wall, Wheel and tire cleaning agents	Management substance for REACH	REV5.20
1504	629-14-1	1,2-Diethoxyethane		M	0.1w%	EU REACH Regulations SVHC				Management substance for REACH	REV5.20

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1505	68-12-2	N,N-dimethylformamide		M	0.1w%	EU REACH Regulations SVHC		-	Solvent and catalyst	Management substance for REACH	REV5.20
1506	110-00-9	furan		M	0.1w%	PRTR Law Japan/Class 1 of designated chemical substances EU REACH Regulations SVHC	-	-	Synthetic medium, plastic, solvent, and cleaning	Management substance for REACH	REV5.20
1507	75-56-9	methyl oxirane		M	0.1w%	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior		-		Management substance for REACH	REV5.20
1508	64-67-5	Diethyl sulfate		M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	-	-	Synthetic medium, medicine, medicine medium, hygienic good, agricultural chemicals, chemosynthesizes raw material, dyestuff, and strong ethylating	Management substance for REACH	REV5.20
1509	77-78-1	dimethyl-sulphate	DMS	M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/ Substances that are restricted the production		-	Dyestuff, perfume, solvent, cleaning agent, medicine, medicine medium, synthetic medium, stabilizer, and oxidation, age resistor, and methylene	Management substance for REACH	REV5.20
1510	7774-41-6	Arsenic acid hydrate		M	-	Poisonous and Deleterious Substances Control Law		-			REV5.1
1511	7784-41-0	Potassium arsenate		M	-	Poisonous and Deleterious Substances Control Law		-			REV5.1
1512	13464-38-5	Sodium arsenate		M	-	Poisonous and Deleterious Substances Control Law		-			REV5.1
1513	7784-38-5	Manganese arsenate		M	-	Poisonous and Deleterious Substances Control Law		-			REV5.1

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1514	1303-39-5	Zincarsenate		M	—	Poisonous and Deleterious Substances Control Law	/	—			REV5.1
1515	7778-43-0	Disodiumhydrogenarsenate		M	—	Poisonous and Deleterious Substances Control Law	/	—			REV5.1
1516	10102-49-5	Ferricarsenate		M	—	Poisonous and Deleterious Substances Control Law	/	—			REV5.1
1517	127-19-5	N,N-dimethylacetamide		M	0.1w%	EU REACH Regulations SVHC	/	solvent, cleaning agent	solvent, cleaning agent, release agent and reactive solvent	Management substance for REACH	REV5.1
1518	101-14-4	3,3'-dichloro-4,4'-diaminodiphenylmethane	4,4'-Methylene bis(2-chloroaniline) MOCA;DACPM; Id813;MBOCA; CL-MDA;LD 813;MOCA-A;bisamine;curalinm;Cyanaset	M	0.1w%	EU REACH Regulations SVHC	/	solvent, cleaning agent	polymerization agent, raw material of chemical products, construction and art usage	Management substance for REACH	REV5.1
1519	77-09-8	Phenolphthalein	Lilo;colax;laxin;Purga;CI 764;Agoral;Ex-Lax;Koprol;Prulet;Purgen	M	0.1w%	EU REACH Regulations SVHC	/	/	Experimental use and medical indicator	Management substance for REACH	REV5.1
1520	13424-46-9	Lead azide		M	0.1w%	EU REACH Regulations SVHC	/	/	Initiator of incendiary device	Management substance for REACH	REV5.1
1521	15245-44-0	1,3-Benzenediol, 2,4,6-trinitro-, lead salt		M	0.1w%	EU REACH Regulations SVHC			Primer of ammunition of small caliber and rifle. Household use fireworks and detonator	Management substance for REACH	REV5.1
1522	6477-64-1	Lead dipicrate		M	0.1w%	EU REACH Regulations SVHC			Primer of ammunition of small caliber and rifle. Household use fireworks and detonator	Management substance for REACH	REV5.1

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1523	548-62-9	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	(C.I. Basic Violet 3)	M	0.1w% [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EU REACH Regulations SVHC	inks	inks	Used mainly for paper colouring and inks supplied in printer cartridges and ball pens. Further uses include staining of dried plants, marker for increasing the visibility of liquids, staining in microbial and	Management substance for REACH with ≥ 0.1w% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.11
1524	101-61-1	4,4'-Methylene bis(N,N-dimethyl)benzidine	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	M	0.1w%	EU REACH Regulations SVHC	—	—	Intermediate in the manufacture of dyes and other substances. Used also as chemical reagent in research and development	Management substance for REACH	REV5.1
1525	6786-83-0	α, α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)		M	0.1w% [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EU REACH Regulations SVHC	inks	inks	Mainly used in the production of printing and writing inks, for dyeing of paper and in mixtures such as windscreen	Management substance for REACH with ≥ 0.1w% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC	REV5.11
1526	141-79-7	Mesityl Oxide(4-Methyl-3-penten-2-on)		M	0.1w%	EU REACH Regulations SVHC	—	—	Solvent, cleaning agent, synthesis medium, solvent of cellulose and resin	Management substance for REACH	REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1527	59653-73-5 59653-74-6	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6-trione, 1,3,5-Triglycidyl-s-triazinetrione		M	0.1w%	EU REACH Regulations SVHC	—	—	mainly used as a hardener in resins and coatings; also used in inks for the printed circuit board industry, electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilizers	Management substance for REACH	REV5.1
1528	2451-62-9	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)		M	0.1w%	EU REACH Regulations SVHC			Intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include as additive (photosensitizer) in dyes and pigments, in dry film products, as a process chemical in the production of electronic circuit boards, in research and development	Management substance for REACH	REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1529	1303-86-2	boron oxide	Diboron trioxide	M	0.1w%	EU REACH Regulations SVHC		—	Used in a multitude of applications, e.g., in glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, adhesives, inks/paints, film developers solutions, detergents and cleaners	Management substance for REACH	REV5.11
1530	112-49-2	1,2-bis(2-methoxyethoxy)ethane	(TEGDME; triglyme)	M	0.1w%	EU REACH Regulations SVHC			Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor use in brake fluids and repair of	Management substance for REACH	REV5.11
1531	561-41-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol		M	0.1w% [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EU REACH Regulations SVHC			Used in the production of writing inks and potentially in the production of other inks, as well as for dyeing of a variety of	Management substance for REACH with ≥ 0.1w% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC	REV5.11
1532	75-12-7	Formamide		M	0.1w%	EU REACH Regulations SVHC		—		Management substance for REACH	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1533	2580-56-5	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	(C.I. Basic Blue 26)	M	0.1w% [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EU REACH Regulations SVHC			Used in the production of inks, cleaners, and coatings, as well as for dyeing of paper, packaging, textiles, plastic products, and other types of articles. It is also used in diagnostic and analytical applications.	Management substance for REACH with ≥ 0.1w% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.1
1534	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		M	0.1w%	EU REACH Regulations SVHC			Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals, including use as an electrolyte solvent in lithium	Management substance for REACH	REV5.1
1535	90-94-8	Michler's ketone		M	0.1w%	EU REACH Regulations SVHC	—		Mainly used as a hardener in resins and coatings; also used in inks for the printed circuit board industry, electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilizers	Management substance for REACH	REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

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1536	76-44-8	Heptachlor		P	0.0w%	Stockholm Convention (POPs)/ Substances described in Stockholm Convention (POPs)/ Substances described in Stockholm Convention (POPs)/ Substances described in			Agrichemical		REV5.1
1537	—	Dioxin type		P	0.0w%	Stockholm Convention (POPs)/ Substances described in Stockholm Convention (POPs)/ Substances described in Stockholm Convention (POPs)/ Substances described in			Incinerators		REV5.1
1538	—	Dibenzofurans		P	0.0w%	Stockholm Convention (POPs)/ Substances described in	—	—			REV5.1
1539	85-42-7 13149-00-3 14166-21-3	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride		M	0.1w%	EU REACH Regulations SVHC		—	Manufacture of polyester resin, alkyd Plasticizer for the thermoplastic resin, Curing agent for epoxy resin, The thermoplastic resin crosslinking agents, Insect repellents.	Management substance for REACH	REV5.20
1540	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride		M	0.1w%	EU REACH Regulations SVHC		—	Manufacture of polyester resin, alkyd Plasticizer for the thermoplastic resin, Curing agent for epoxy resin, The thermoplastic resin crosslinking agents, Insect repellents.	Management substance for REACH	REV5.20
1541	143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		M	0.1w%	EU REACH Regulations SVHC				Management substance for REACH	REV5.20
1542	838-88-0	4,4'-Methylene bis(2-methylaniline)		M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic	—	—	dyestuff	Management substance for REACH	REV5.20

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1543	101-80-4	4,4'-diaminodiphenyl ether		M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic	—	—	dyestuff	Management substance for REACH	REV5.20
1544	60-09-3	4-Aminoazobenzene	4-Phenylazoaniline	M	0.1w%	EU REACH Regulations SVHC	—	—		Management substance for REACH	REV5.20
1545	95-80-7	2,4-Diaminotoluene	4-Methyl-m-phenyldiamine	M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic	—	—	Dyestuff, plastic, and synthetic medium	Management substance for REACH	REV5.20
1546	120-71-8	2-methoxy-5-methylaniline p-Cresidine		M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic	—	—	dyestuff	Management substance for REACH	REV5.20
1547	97-56-3	o-Aminoazotoluene		M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic	—	—	dyestuff	Management substance for REACH	REV5.20
1548	95-53-4	o-Toluidine		M	0.1w%	EU REACH Regulations SVHC Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior		—		Management substance for REACH	REV5.20
1549	79-16-3	N-methylacetamide		M	0.1w%	EU REACH Regulations SVHC				Management substance for REACH	REV5.20
1550	106-94-5	1-bromopropane		M	0.1w%	PRTR Law Japan/Class 1 of designated chemical substances EU REACH Regulations SVHC			Agricultural chemicals (The medium is included) and a medicine, a medicine medium, and a synthetic	Management substance for REACH	REV5.20
1551	93-76-5	2, 4, 5-T, 2, 4, 5-T salt and ester compound of 2, 4, 5-T		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1

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1552	116-06-3	ALDICARB		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1553	485-31-4	Binapacryl		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Miticide and agrichemical		REV5.1
1554	2425-06-1	Captafol		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1555	6164-98-3	Chlordimeform		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1556	510-15-6	Chlorobenzilate	Ethyl-4,4'-dichlorobenzilate	P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1557	534-52-1 2980-64-5 5787-96-2 2312-76-7	Dinitro-ortho-cresol (DNOC) and Dinitro-ortho-cresol (DNOC) salt (ammonium salt, potassium salt, sodium salt and so on)		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical		REV5.1
1558	88-85-7	Dinoseb, dinoseb salt and ester compound of dinoseb, 2-(1-methylpropyl)-		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical	Management substance for REACH	REV5.20
1559	106-93-4	1, 2-dibromoethane (EDB)	Ethylene dibromide	P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical, cleaning agents and		REV5.1
1560	75-21-8	Ethylene oxide		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical, Organic-synthesis material		REV5.1
1561	640-19-7	Fluoroacetamide	Monofluoroacetamide	P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1562	608-73-1	Hexachlorohexane (HCH) (isomeric mixtures)		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1563	6923-22-4	Monocrotophos		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1
1564	56-38-2	Parathion		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Agrichemical		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1565	17804-35-2	Dust formulations containing all of benomil, carbofuran and thiuram		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical		REV5.1
1566	1563-66-2	2,3-dihydro-2,2-dimethyl-7-benzofuran-7-yl N-methylcarbamate		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			(remarkably harmful)		REV5.1
1567	137-26-8	Latium, tetramethylthiuram disulfide; thiram		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III	resin, rubber, electronic tube	resin, rubber, electronic tube	Accelerator of crosslinking the rubber, sterilizer		REV5.1
1568	10265-92-6	Methamidophos		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical (remarkably harmful)		REV5.1
1569	13171-21-6 23783-98-4 297-99-4	Phosphamidon		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical (remarkably harmful)		REV5.1
1570	298-00-0	Methyl parathion		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Agrichemical (remarkably harmful)		REV5.1
1571	3654-9-6 36355-01-8 27858-07-7	Polybrominated biphenyls (PBBs)		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III	resin, rubber, electronic tube	resin, rubber, electronic tube	Rubber, resin, woven fabric	Managed substance for ship recycle convention	REV5.1
1572	78-00-2	Tetraethyl lead		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III	—	—	For industrial usage	Management substance for REACH	REV5.20
1573	75-74-1	Tetramethyl lead		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III	—	—	For industrial usage		REV5.1
1574	56-35-9 1983-10-4 2155-70-6 4342-36-3 1461-22-9 24124-25-2 85409-17-2	tributyltin compound (all substances including bis(tributyltin) oxide, tributyltin fluoride, tributyltin methacrylate, tributyltin benzoate, tributyltin chloride, tributyltin linolenate, tributyltin		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in Annex III			Expellant		REV5.1
1575	460-19-5	Cyanides		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plating solution		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1576	—	Organic phosphorus compounds		M	—	Water Pollution Prevention Law Japan, cabinet order		—			REV5.1
1577	—	Alkyl mercury compounds		M	—	Water Pollution Prevention Law Japan, cabinet order			(Minamata disease)		REV5.1
1578	1979-1-6	Trichloroethylene		M	—	Water Pollution Prevention Law Japan, cabinet order		Cleaning agent	Cleaning agent		REV5.1
1579	127-18-4	Tetrachloroethylene (Perchloroethylene)		M	—	Water Pollution Prevention Law Japan, cabinet order		Cleaning agent	Cleaning agent		REV5.1
1580	156-59-2	cis-1,2-dichloroethylene		M	—	Water Pollution Prevention Law Japan, cabinet order		Organic-synthesis material	Organic-synthesis material		REV5.1
1581	156-59-2 156-60-5 540-59-0 75-35-5	1,1-Dichloroethene	1,1-DCE	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		Organic-synthesis material			REV5.1
1582	542-75-6 10061-01-5 10061-02-6	1,3-dichloropropene	D - D	M	—	Water Pollution Prevention Law Japan, cabinet order			Agrichemical		REV5.1
1583	122-34-9	Shimazine, 2-chloro-4,6-bis(ethylamino)-1,3,5-triazine;	CAT	M	—	Water Pollution Prevention Law Japan, cabinet order			Agrichemical		REV5.1
1584	28249-77-6	Thiobencarb, S-4-chlorobenzyl N,N-diethylthiocarbamate; thiobencarb		M	—	Water Pollution Prevention Law Japan, cabinet order			Agrichemical		REV5.1
1585	—	Selenium and compounds thereof		M	—	Water Pollution Prevention Law Japan, cabinet order		dehydrating agents and photoconductors	dehydrating agents and photoconductor		REV5.1
1586	—	Boron and compounds thereof		M	—	Water Pollution Prevention Law Japan, cabinet order		glass, electrical equipment and alloy			REV5.1
1587	—	Fluorine and compounds thereof		M	—	Water Pollution Prevention Law Japan, cabinet order		—			REV5.1
1588	128-38-9	Carbon Dioxide		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—	Dry ice		REV5.1
1589	74-82-8	Methane		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—	Methane is produced also from sludge.		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1590	10024-97-2	Dinitrogen oxide, Nitrous oxide		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—	fuel, synthetic medium, medicine, medicine medium, and leakage		REV5.1
1591	—	Hydrofluorocarbon (HCFC)		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—			REV5.1
1592	—	Perfluorocarbon (PFC)		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—			REV5.1
1593	—	Sulfur hexafluoride		M	—	Law Concerning the Promotion of the Measures to Cope with Global Warming Japan/Specified substances		—			REV5.1
1594	107-13-1	Acrylonitrile		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	resin, rubber, fabric	Production of plastics, resins and rubbers eg. ABS (residual)		REV5.1
1595	75-07-0	Acetaldehyde		M	—	PRTR Law Japan/Class 1 of designated chemical substances		solvent, cleaning agent and reagent	Emitted substance from polymer component		REV5.1
1596	75-01-4	Vinyl chloride (chloroethylene)		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		resin, rubber, electronic tube, electronic	Synthetic resin material		REV5.1
1597	107-30-2	Chloromethylchlorodimethylchloromethylchloromethylchlorodimethylchloroether; CAS number 46; Chloromethylmethylchloromethoxy		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	resin, rubber, electronic tube, electronic equipment	Medicines and agricultural chemical intermediates, surface treatment of vulcanized rubber to increase adhesion, and in the manufacture of flame-retardant		REV5.11
1598	—	Talc (Asbestos-like fiber)		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		gasket, packing, break pad, building	GSKT, brakes and building materials		REV5.1

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1599	106-99-0	1, 3-butadiene		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances	—	rubber, tire, resin	manufacturing of synthetic rubber for tyres, as homopolymerisate (BR), as copolymerisate with Styrene (SBR) or Acrylonitrile (NR), starting product of Sulfolane, Chloroprene, Hexadamine, softeners, Tetrahydrophthalic acid anhydride, residual monomer		REV5.1
1600	7440-41-7	Beryllium and compounds thereof		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances	—	alloy, electronic tube, electronic equipment	Alloyed materials		REV5.1
1601	50-00-0	Formaldehyde		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances	—	resin, rubber, adhesive	Residues and degradation products of plastics (aminoplasts, urea- and melamine resins, foam plastics, vulcanization accelerators, basis for synthetic tannins, biocides, adhesives		REV5.1
1602	—	Manganese and compound thereof		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		alloy	Metallic materials		REV5.1
1603	7439-96-5	manganese		M	—	Poisonous and Deleterious Substances Control Law		alloy			REV5.1
1604	7785-87-7	Manganese(II) sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1605	25868-86-4	Maganese(II)silicofluoridehexahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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1606	7722-64-7	Potassium permanganate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1607	23414-72-4	Zinc permanganate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1608	598-62-9	Manganese Carbonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1609	1313-13-9	manganese dioxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1610	10034-96-5	Manganese(II) sulfate monohydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1611	—	Hydrogen chloride and chlorine		R	—	Air Pollution Control Law Japan, cabinet order/Specified substances		Cutting fluid and presses	Cutting fluid and presses		REV5.1
1612	—	Fluorine and hydrogen fluoride compounds		R	—	Air Pollution Control Law Japan, cabinet order/Specified substances		Plating, casting, painting	Plating, casting, painting		REV5.1
1613	—	Nitrogen compounds		R	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—			REV5.1
1614	—	Substances that constitute gas under the condition of normal temperature, such as alcohol, toluene and		R	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—			REV5.1
1615	—	zinc compounds(water-soluble)		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1616	140-88-5	ethyl acrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	pigment, paint, adhesive, plastic, synthetic material, fiber processing, paper coating, and leather processing	pigment, paint, adhesive, plastic, synthetic material, fiber processing, paper coating, and		REV5.1
1617	—	acrylic acid and its water-soluble salts		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1618	2439-35-2	2-(dimethylamino)ethyl acrylate		M	—	PRTR Law Japan/Class 1 of designated chemical		adhesive	adhesive		REV5.1
1619	818-61-1	2-hydroxyethyl acrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		pigment, paint, adhesive, fabric, cutting fluid, additive of lubricant	pigment, paint, adhesive, fabric, cutting fluid, additive of		REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1620	141-32-2	n-butyl acrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		pigment, paint, adhesive, fabric, cutting fluid, additive of lubricant	pigment, paint, adhesive, fabric, cutting fluid, additive of		REV5.1
1621	96-33-3	methyl acrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		pigment, paint, adhesive, fabric, cutting fluid, additive of lubricant	pigment, paint, adhesive, fabric, cutting fluid, additive of		REV5.1
1622	107-02-8	acrolein		M	—	Poisonous and Deleterious Substances Control Law Japan		pigment, paint, adhesive, fabric, cutting fluid, additive of lubricant	Solvent, cleaning agent, medicine, medicine medium, plastic, synthetic medium, and raw materials such as manufacturing colloid metal, fiber processing medicines, and plastic		REV5.1
1623	26628-22-8	sodium azide		M	—	PRTR Law Japan/Class 1 of designated chemical			Pyrotechnical compound		REV5.1
1624	75-05-8	acetonitrile		M	—	PRTR Law Japan/Class 1 of designated chemical		resin, rubber, adhesive	component in high-capacity capacitors		REV5.1
1625	75-86-5	acetone cyanohydrin		M	—	PRTR Law Japan/Class 1 of designated chemical substances		resin, rubber, adhesive	plastic, synthetic medium, reagent of making to cyanohydrin of ketone and		REV5.1
1626	83-32-9	acenaphthene		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Agricultural chemicals (plant growth		REV5.1
1627	78-67-1	2,2'-azobisisobutyronitrile		M	—	Poisonous and Deleterious Substances Control Law Japan			Synthetic medium, polymerization initiator, radical reaction initiator, and blowing agent of		REV5.1

Table A5. YANMAR control substances

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 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1628	62-53-3	aniline		M	—	Poisonous and Deleterious Substances Control Law Japan			Gunpowder, dynamite, dyestuff, sterilizer, fungicide, stain-proofing agent, medicine, and medicine medium, synthetic medium, stiffening accelerant, vulcanizing agent, vulcanization accelerator and		REV5.1
1629	82-45-1	1-amino-9,10-anthraquinone		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1630	141-43-5	2-aminoethanol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		Solvent, cleaning agent, surface-active agent, and lubricating oil additive	Solvent, cleaning agent, surface-active agent, and lubricating oil		REV5.1
1631	1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one; chloridazon		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1632	120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4[(trifluoromethyl)sulfinyl]py		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Agricultural chemicals (The medium is included).		REV5.1
1633	123-30-8	p-aminophenol		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Photographic material, dyestuff, medicine, medicine medium, synthetic medium, stabilizer, and oxidation and age resistor		REV5.1
1634	591-27-5	m-aminophenol	3-Aminophenol	M	—	PRTR Law Japan/Class 1 of designated chemical		dyestuff, resin, rubber	medicines, dyestuff medium		REV5.1
1635	21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one; metribuzin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1

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P: Prohibited M: Management R: Reduced

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1636	107-11-9	3-amino-1-propene		M	—	Poisonous and Deleterious Substances Control Law Japan			catalyst, dyestuff supplementary agent, synthetic medium, agricultural chemicals and reforming agent of high polymer		REV5.1
1637	41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Agrichemical		REV5.1
1638	107-18-6	allyl alcohol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		cleaning agent, adhesive	perfume, perfume medium, solvent, cleaning agent, medicine, medicine medium, plastic, synthetic medium, plasticizer, fire retarding material, and cosmetics, emulsification medicine manufacturing raw material, and puronane		REV5.1
1639	106-92-3	1-allyloxy-2,3-epoxypropane		M	—	PRTR Law Japan/Class 1 of designated chemical substances		pigment, paint, adhesive, synthetic resin	pigment, paint, adhesive, synthetic resin		REV5.1
1640	—	n-alkylbenzenesulfonic acid and its salts(alkyl C=10-14)		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—			REV5.1
1641	—	Antimony and its compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1642	7440-36-0	Antimony		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1643	7803-52-3	Hydrogen antimonide		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1644	7783-56-4	Antimony(III)fluoride		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1645	7783-70-2	Antimony(V)fluoride		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1646	16893-92-8	Potassiumhexafluoroantimonate		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1647	16925-25-0	Sodiumhexafluoroantimonate		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1648	14486-20-5	Antimonyborofluoride		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1649	15432-85-6	Sodiummetaantimonate		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1650	7647-18-9	Antimonypentachloride(V)		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1651	1314-60-9	Diantimonypentoxide		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1652	10025-91-9	Antimonytrichloride		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1653	1345-04-6	Antimonytrisulfide		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1654	1309-64-4	Antimonytrioxide		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1655	12208-13-8	Potassiumpyroantimonate,acid		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1656	28300-74-5	Potassiumantimonytartrate		M	—	Poisonous and Deleterious Substances Control Law		—		Antimony and its compounds	REV5.1
1657	4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic resin material		REV5.1
1658	78-84-2	isobutyraldehyde		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic medium, polymerization initiator, radical reaction initiator, and blowing agent of		REV5.1
1659	78-79-5	isoprene		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Plastic, synthetic medium, and butyl rubber		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1660	80-05-7	4,4'-isopropylidene diphenol; bisphenol A		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Plasticizer of monomer for polycarbonate manufacturing, epoxy resin raw material, antioxidant substance, and polyvinyl chloride (polymeriz		REV5.1
1661	4162-45-2	2,2'-(isopropylidenebis[2,6-dibromo-4,1-phenyleneoxy])diethanol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Flame retarder		REV5.1
1662	22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate; fenaminphos		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1663	149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinofos		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1
1664	66332-96-5	isopropoxy-2-trifluoromethyl benzanilide; flutolanil		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1665	96-45-7	2-imidazolidinethione		M	—	PRTR Law Japan/Class 1 of designated chemical	—	—			REV5.1
1666	13516-27-3	1,1'-(iminodi(octamethylene)diguanidine; iminooctadine		M	—	Poisonous and Deleterious Substances Control Law Japan			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1667	—	indium and its compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1668	75-08-1	ethanethiol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	agricultural chemicals whole (The medium is included), medicine, medicine medium, synthetic medium, chemosynthesizes raw material, and odorizing agent of LPG		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1669	76578-14-8	ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate; quizalofop-		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1670	36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphor amidothioate; butamifos		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Herbicide		REV5.1
1671	2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate;		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Insecticide and mothball		REV5.1
1672	40487-42-1	N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine; pendimethalin		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Herbicide		REV5.1
1673	2212-67-1	S-ethyl hexahydro-1H-azepine-1-carbothioate; molinate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1674	149-57-5	2-ethylhexanoic acid		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	EHA is an intermediate product for the production of siccatives in paint, thickening agents for fuel, surface-active agents, emulsifiers, plasticizers, stabilizers for silicones and PVC, corrosion inhibitors		REV5.1
1675	83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1
1676	100-41-4	ethylbenzene		M	—	PRTR Law Japan/Class 1 of designated chemical substances		solvent, cleaning agent	solvent, cleaning agent, synthetic medium		REV5.1
1677	98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate; fosthiazate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agricultural		REV5.1

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P:Prohibited M:Management R: Reduced

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1678	151-56-4	ethyleneimine		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agricultural chemicals whole (The medium is included), medicine, medicine medium, synthetic medium, chemosynthesizes raw material, and odorizing agent of LPG.		REV5.1
1679	107-15-3	ethylenediamine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	surface-active agent, insecticide, mothball, herbicide, plastic, ion exchange resin, fiber processing medicine, adhesive, rubber chemicals, chelating agent, coating agent, protector of fiber.		REV5.1
1680	60-00-4	ethylenediaminetetraacetic acid	EDTA	M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyeing supplementary agent, detergent, medicine, medicine medium, agricultural chemicals whole (The medium is included), synthetic medium, the stabilizer, the oxidation, the age resistor, and reagent of		REV5.1
1681	12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate); maneb complex		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1682	8018-01-7	compounds of manganese N,N'-ethylenebis(dithiocarbamate) and zinc N,N'-ethylenebis(dithiocarbamate); mancozeb		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1

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P: Prohibited M: Management R: Reduced

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1683	85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide; diquat		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1684	80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1
1685	106-89-8	epichlorohydrin		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Residual monomers in epoxy resins		REV5.1
1686	106-88-7	1,2-epoxybutane		M	—	PRTR Law Japan/Class 1 of designated chemical			synthetic medium		REV5.1
1687	556-52-5	2,3-epoxy-1-propanol, Glycidol		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Stabilizer and oxidation and age resistor		REV5.1
1688	15448-47-2 16088-62-3 503-30-0 75-56-9	1,2-epoxypropane; propylene oxide		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	pigments, paints, solvent, cleaning agent, surface-active agent, sterilizer, fungicide, stain-proofing agent, medicine, medicine medium, plastic, synthetic medium, stabilizer, and oxidation, age resistor, and food dyestuff,		REV5.1
1689	122-60-1	2,3-epoxypropyl phenyl ether	Phenyl glycidyl ether	M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	plastic, stiffening accelerants, chemosynthesizes raw materials and reforming agent of cotton and		REV5.1
1690	155569-91-8	emamectin benzoate; mixture of emamectinB1a benzoate and emamectinB1b benzoate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche mical (insecticide)		REV5.1

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P: Prohibited M: Management R: Reduced

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1691	7705-08-0	ferric chloride		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	pigments, paints, photographic material, ink, catalyst, and additive		REV5.1
1692	111-87-5	1-octanol		M	—	PRTR Law Japan/Class 1 of designated chemical		—	perfume, synthetic medium		REV5.1
1693	1806-26-4	p-octylphenol	4-N-octylphenol	M	—	PRTR Law Japan/Class 1 of designated chemical		—	ink, surface activator		REV5.1
1694	105-60-2	ϵ -caprolactam	2-Oxohexamethylenimine	M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	synthetic resin, synthetic fiber, synthetic medium		REV5.1
1695	156-62-7	calcium cyanamide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Fertilizer, fertilizer medium, synthetic medium, insecticide, mothball, herbicide, medicine, medicine medium, and veterinary medicine		REV5.1
1696	105-67-9	2,4-xylenol		M	—	PRTR Law Japan/Class 1 of designated chemical		—	synthetic medium		REV5.1
1697	576-26-1	2,6-xylenol	2,6-Dimethylphenol	M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1698	1330-20-7	xylene		M	—	Poisonous and Deleterious Substances Control Law		—	Cleaning agents		REV5.1
1699	95-47-6	o-Xylene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1700	108-38-3	m-Xylene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1701	106-42-3	p-Xylene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

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1702	91-22-5	quinoline		M	—	Poisonous and Deleterious Substances Control Law Japan		—	surface-active agent, agricultural chemicals whole (The medium is included), a medicine, a medicine medium, a synthetic medium.		REV5.1
1703	—	silver and its water-soluble compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1704	98-82-8	cumene		M	—	PRTR Law Japan/Class 1 of designated chemical	—	—	fuel, synthetic medium		REV5.1
1705	107-22-2	glyoxal		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic medium, stiffening accelerant, fiber processing medicine, soil curing agent, casting additive of casting sund, and paper finish		REV5.1
1706	111-30-8	glutaraldehyde		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Crosslinking agent, electron microscope and dressing agent of leather		REV5.1
1707	1319-77-3	cresol		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Synthetic medium, sterilizer, fungicide, and stain-proofing agent		REV5.1
1708	—	chromium and chromium(III) compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1709	95-51-2 106-47-8 108-42-9	chloroaniline		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Hardener or cross linking agent for polymers and epoxy resins		REV5.1
1710	1912-24-9	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1711	21725-46-2	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)amino-2-methylpropionitrile		M	—	Poisonous and Deleterious Substances Control Law Japan			Herbicide		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1712	129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide;		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide		REV5.1
1713	51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1714	79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)- α, α, α -trifluoro-2,6-dinitro- <i>o</i> -toluidine;flua		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer and miticide		REV5.1
1715	119446-68-3	1-(2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole; difenoconazole		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1716	611-19-8	1-chloro-2-(chloromethyl)benzene		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	pigments, medicine, and medium of medicine and agricultura		REV5.1
1717	51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1718	15972-60-8	2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide;		P	0.0w%	Rotterdam Convention (PIC)/ Substances described in			Herbicide		REV5.1
1719	97-00-7	1-chloro-2,4-dinitrobenzene		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	dyestuff, synthetic medium, and pyridine compound analysis in organic base		REV5.1
1720	7085-19-0 93-65-2	(RS)-2-(4-chloro- <i>o</i> -tolylxy)propionic acid; mecoprop		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Herbicide		REV5.1
1721	95-49-8	<i>o</i> -chlorotoluene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, solvent, cleaning agent, agricultural chemicals whole (The medium is included), and a synthetic medium.		REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1722	106-43-4	p-chlorotoluene		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, agricultural chemicals whole (The medium is included), medicine, medicine medium, and a synthetic medium.		REV5.1
1723	121-87-9	2-chloro-4-nitroaniline		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, pigment, paint, and a synthetic medium.		REV5.1
1724	88-73-3	2-chloronitrobenzene		M	—	Poisonous and Deleterious Substances Control Law		—	Dyestuff and a synthetic medium.		REV5.1
1725	133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione; indanofan		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1726	158237-07-1	chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1727	78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Wettable powder and sterilizer		REV5.1
1728	107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol;tebuconazole		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche-mical		REV5.1
1729	88671-89-0	2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile; myclobutanil		M	—	Poisonous and Deleterious Substances Control Law Japan			sterilizer		REV5.1
1730	114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile;fenbuconazole		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche-mical		REV5.1
1731	95-57-8 108-43-0 106-48-9	Chlorophenol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

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1732	95-57-8	o-chlorophenol		M	—	PRTR Law Japan/Class 1 of designated chemical			synthetic medium		REV5.1
1733	106-48-9	p-chlorophenol	4-Chlorophenol	M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, sterilizer, fungicide, stain-proofing agent, and synthetic medium		REV5.1
1734	598-78-7	2-chloropropionic acid		M	—	PRTR Law Japan/Class 1 of designated chemical			synthetic medium		REV5.1
1735	107-05-1	3-chloropropene; allyl chloride		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Perfume medium, insecticide, mothball, herbicide, medicine, medicine medium, plastic, and synthetic medium and soil reforming		REV5.1
1736	99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)ur		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1737	108-90-7	chlorobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Synthetic medium, solvent of paint, and oil removing agent of automotive parts		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1738	74-87-3	chloromethane ; methyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			solvent, cleaning agent, solvent, surface-active agent, agricultural chemicals whole (The medium is included), a medicine, a medicine medium, plastic, a synthetic medium, a propellant, a chemosynthesizes raw material, a refrigerative, a fire retarding material, various additives, and		REV5.1
1739	59-50-7	4-chloro-3-methylphenol		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer, fungicide, stain-proofing agent, preservative, and synthetic medium		REV5.1
1740	94-74-6	4-chloro-2-methylphenoxy)acetic acid; MCP; MCPA	MCP, MCPA	M	—	PRTR Law Japan/Class 1 of designated chemical			Herbicide		REV5.1
1741	563-47-3	3-chloro-2-methyl-1-propene		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Plastic, synthetic medium, various additives, and acrylic fiber dye reforming medicine raw materials		REV5.1
1742	108-05-4	vinyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Adhesive, plastic, synthetic material, synthetic medium, cloth finish, and paper		REV5.1
1743	110-49-6	2-methoxyethyl acetate; ethylene glycol monomethyl ether acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			PES- and PU-Enamels, synthetic resins, softening		REV5.1

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P: Prohibited M: Management R: Reduced

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1744	90-02-8	salicylaldehyde		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Agricultural chemicals whole (The medium is included) and a medicine, a medicine medium, a synthetic medium, and the index agent (Craw		REV5.1
1745	420-04-2	cyanamide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			material of synthetic plastic, fertilizer and chronic ethanol poisoning and overdrinking		REV5.1
1746	139920-32-4	RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			sterilizer		REV5.1
1747	66841-25-6	S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate; tralomethrin		M	—	Poisonous and Deleterious Substances Control Law Japan			agriche mical		REV5.1
1748	39515-41-8	RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate; fenprothrin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Synthetic pyrethrin and insecticide for tick		REV5.1
1749	57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea; cvmoxanil		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche mical		REV5.1
1750	615-05-4	2,4-diaminoanisole		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff		REV5.1
1751	—	inorganic cyanide compounds (except complex salts and cyanates)		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRS Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1752	100-37-8	2-(diethylamino) ethanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	synthetic medium		REV5.1
1753	29232-93-7	O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate; pirimiphosmet		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1754	125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide; cafenstrole		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1755	123-91-1	1,4-dioxane		M	—	Water Pollution Prevention Law Japan, cabinet order	—	—	pigments, paints, solvent, cleaning agent, medicine, medicine medium, artificial suede, synthetic medium, and transistor		REV5.1
1756	646-06-0	1,3-dioxolane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic and lithium battery		REV5.1
1757	15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane;		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide		REV5.1
1758	7696-12-0	cyclohex-1-ene-1,2-dicarboximido methyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; tetramethrin	Tetramethrin	M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1

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P: Prohibited M: Management R: Reduced

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1759	108-91-8	cyclohexylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, dyestuff supplementary agent, pigments, paints, surface-active agent, insecticide, mothball, metallic rust prevention, rust retardant, medicine, oxygen absorber for rubber, and anti-		REV5.1
1760	17796-82-6	N-(cyclohexylthio)phthalimide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthesis and crude rubber scorching prevention agent		REV5.1
1761	27134-27-6	dichloroaniline		M	—	PRTR Law Japan/Class 1 of designated chemical		—	dyestuff medium		REV5.1
1762	23950-58-5	3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide; propyzamide, Pronamide		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1763	95-73-8	2,4-dichlorotoluene		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Medicine and agricultural chemicals raw material		REV5.1
1764	99-54-7	1,2-dichloro-4-nitrobenzene		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1765	89-61-2	1,4-dichloro-2-nitrobenzene		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Raw material of p-dichloroaniline that is raw material of dyestuff and organic		REV5.1
1766	36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1-carboxamide; iprodione		M	—	PRTR Law Japan/Class 1 of designated chemical substances			sterilizer		REV5.1
1767	330-54-1	3-(3,4-dichlorophenyl)-1,1-dimethylurea; diuron; DCMU	CMU	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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1768	112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether; tetraconazole mixture of		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche-mical		REV5.1
1769	60207-90-1	(2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-		M	—	PRTR Law Japan/Class 1 of designated chemical substances			sterilizer		REV5.1
1770	153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1771	50471-44-8	(RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione; vinclozolin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			sterilizer		REV5.1
1772	330-55-2	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea; linuron		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1773	94-75-7	2,4-dichlorophenoxyacetic acid; 2,4-D; 2,4-PA		M	—	Occupational Health and Safety Law Japan/Substances to be noticed			Herbicide		REV5.1
1774	78-87-5	1,2-dichloropropane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		Solvent and cleaning agent	solvent, a cleaning agent, an insecticide, a mothball, a synthetic medium, a chemosynt heses raw material, various additives, nematocid e, and oil removing agent of		REV5.1

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1775	91-94-1	3,3'-dichlorobenzidine		M	—	PRTR Law Japan/Class 1 of designated chemical	—	dyestuff	dyestuff		REV5.1
1776	95-50-1 106-46-7	dichlorobenzene		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1777	71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone; pyrazoxyfen		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1778	58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1779	1194-65-6	2,6-dichlorobenzonitrile; dichlobenil; DBN	DBN	M	—	Poisonous and Deleterious Substances Control Law Japan		—	Polymeric material and agricultural (include medium)		REV5.1
1780	—	dichloropentafluoropropane; HCFC-225	H C F C - 2 2 5	M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1781	75-09-2	dichloromethane; methylene dichloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		Solvent and cleaning agent	Solvent and cleaning agent		REV5.1
1782	3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone; dithianon		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1783	101-83-7	N,N-dicyclohexylamine	DCHA	M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, surface-active agent, insecticide, mothball, plasticizer, and metallic rust prevention and rust		REV5.1
1784	4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Vulcanization accelerator for tires and rubber		REV5.1
1785	77-73-6	dicyclopentadiene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Agricultural chemicals (The medium is included) and a medicine, a medicine medium, plastic, and a		REV5.1

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1786	50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate; isoprothiolane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			sterilizer		REV5.1
1787	17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate; edifenphos;		M	—	Poisonous and Deleterious Substances Control Law Japan			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1788	298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate; ethylthiometon; disulfoton		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
1789	2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazol-2-yl)methyl phosphorodithioate; phosalon		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and miticide		REV5.1
1790	34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			insecticide		REV5.1
1791	950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate; methidathion		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1792	121-75-5	O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate; malathion; malathion		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Insecticide and mothball		REV5.1
1793	60-51-5	O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate;		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1794	16090-02-1	disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate];		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff and fluorescent bleaching agent		REV5.1
1795	25321-14-6	dinitrotoluene		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Gunpowder, dynamite, dyestuff, and synthetic		REV5.1
1796	51-28-5	2,4-dinitrophenol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1797	1321-74-0 91-14-5 108-57-6 105-06-6	divinylbenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Plastic, ion exchange resin, crosslinking agent, and fire retardant		REV5.1
1798	122-39-4	diphenylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
1799	101-84-8	diphenyl ether	Diphenyl oxide	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	perfume and heat media		REV5.1
1800	102-06-7	1,3-diphenylguanidine		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Rubber product manufacturing		REV5.1
1801	55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzofurfuryl N-(dibutylamino)thio-N-		M	—	Poisonous and Deleterious Substances Control Law Japan			insecticide		REV5.1
1802	128-37-0	2,6-di-tert-butyl-4-cresol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Perfume medium, lubricating oil additive, medicine, medicine medium, stabilizer, oxidation, age resistor, various additives.		REV5.1
1803	96-76-4	2,4-di-tert-butylphenol		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1804	124-48-1	dibromochloromethane		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1805	10222-01-2	2,2-dibromo-2-cyanoacetamide	(DBNPA)	M	—	PRTR Law Japan/Class 1 of designated chemical		—	Antibacterial agents		REV5.1
1806	30560-19-1	(RS)-O,S-dimethyl acetylphosphoramidothioate; acephate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1807	95-68-1	2,4-dimethylaniline		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, pigments, paints, and synthetic		REV5.1
1808	87-62-7	2,6-dimethylaniline, 2,6-Xylidine		M	—	PRTR Law Japan/Class 1 of designated chemical	—	Dyestuff, paints, ink, and etc.	Dyestuff, paints, ink, and etc.		REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1809	121-69-7	N,N-dimethylaniline		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Gunpowder, dynamite, dyestuff, solvent, and cleaning agent, medicine, medicine medium, synthetic medium, vulcanizing agent, vulcanization		REV5.1
1810	31895-21-3	5-dimethylamino-1,2,3-trithiane		M	—	PRTR Law Japan/Class 1 of designated chemical			Insecticide and mothball		REV5.1
1811	124-40-3	dimethylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
1812	624-92-0	dimethyl disulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	perfume and synthetic medium		REV5.1
1813	—	water-soluble salts of dimethyldithio carbamic acid		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1814	82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[(2-ethoxycarbonyl)ethyl]-Nisopropylsulfenamoyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
1815	62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate; phenothiocarb		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agricultural		REV5.1
1816	112-18-5	N,N-dimethyldodecylamine		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Surface-active agent		REV5.1
1817	1643-20-5	N,N-dimethyldodecylamine N-oxide		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1818	52-68-6	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate	DEP	M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1819	540-73-8 57-14-7	1,1-Dimethylhydrazine (UDMH)		M	—	PRTR Law Japan/Class 1 of designated chemical	—	Fuel and organic synthetic agent	Fuel and organic synthetic agent		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1820	1910-42-5	1,1'-dimethyl-4,4'-bipyridinium dichloride; paraquat; paraquat dichloride		M	—	Poisonous and Deleterious Substances Control Law Japan			Herbicide		REV5.1
1821	91-97-4	3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate		M	—	PRTR Law Japan/Class 1 of designated chemical		—	synthetic plastic		REV5.1
1822	23564-05-8	dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate);		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1823	793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Antioxidant		REV5.1
1824	119-93-7	3,3'-dimethylbenzidine; o-tolidine		M	—	PRTR Law Japan/Class 1 of designated chemical	—	dyestuff	dyestuff		REV5.1
1825	2597-03-7	ethyl 2-[(dimethoxyphosphinothioylthio)-2-phenylacetate; phenthoate;	PAP	M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1826	7726-95-6	bromine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Agricultural chemicals whole (The medium is included) and plastic, a synthetic medium, and the		REV5.1
1827	—	water-soluble salts of bromic acid		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1828	3861-47-0	3,5-diiodo-4-octanoyloxybenzoxynil;		M	—	Poisonous and Deleterious Substances Control Law			Herbicide		REV5.1
1829	61788-32-7	hydrogenated terphenyl		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Heat transfer medium		REV5.1
1830	100-42-5	styrene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Residual monomer in ABS-, Polystyrene-, SMC-, UPE-resin		REV5.1
1831	4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Surface-active agent		REV5.1
1832	—	selenium and its compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1833	533-74-4	2-thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine;		M	—	Poisonous and Deleterious Substances Control Law Japan					REV5.1
1834	62-56-6	thiourea		M	—	Occupational Health and Safety Law Japan/Substances to be noticed			trace active agent, agricultural chemicals whole (The medium is included), a medicine, a medicine medium, plastic, a synthetic medium, the chemosynthesizes raw material, the catalyst, metallic rust prevention, the rust retardant, the resin finishing medicine of the plating		REV5.1
1835	108-98-5	thiophenol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			agricultural chemicals whole (The medium is included), a medicine, a medicine medium, a synthetic medium, the stabilizer, the oxidation, the age resistor, the catalyst, the polymerization		REV5.1
1836	77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate; pyraclofos		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide		REV5.1
1837	333-41-5	O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate; diazinon		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1

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1838	2921-88-2	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; chlorpyrifos		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
1839	18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate; isoxathion		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1840	122-14-5	O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate; fenitrothion;		M	—	Occupational Health and Safety Law Japan/Substances to be noticed			Insecticide and mothball		REV5.1
1841	55-38-9	O,O-dimethyl O-3-methyl-4-(methylthio)phenyl phosphorothioate; fenthion;		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
1842	41198-08-7	O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1843	26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate; iprobenfos;	IBP	M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1844	334-48-5	decanoic acid		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic medium, analytical reagent, and fruits essence		REV5.1
1845	112-30-1 25339-17-7	decyl alcohol; decanol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Surface-active agent, synthetic medium, and plasticizer		REV5.1
1846	100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.1 ^{3,7}]decane; hexamethylene tetramine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Curing agent and blowing agent		REV5.1
1847	97-77-8	tetraethylthiuram disulfide; disulfiram		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Vulcanizing agent and vulcanization accelerator, sterilizer, fungicide, stain-proofing agent, medicine, and medicine		REV5.1
1848	1897-45-6	tetrachloroisophthalonitrile; chlorothalonil; TPN		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer, fungicide, and stain-proofing agent		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1849	27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one; phthalide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Sterilizer, fungicide, and stain-proofing agent		REV5.1
1850	—	tetrachlorodifluoroethane; CFC-112	CFC-112	M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1851	118-75-2	2,3,5,6-tetrachloro-p-benzoquinone		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Antifungal agent, algal inhibitor, and seed		REV5.1
1852	11070-44-3	tetrahydromethylphthalic anhydride		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Stiffening accelerant		REV5.1
1853	79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate; tefluthrin		M	—	Poisonous and Deleterious Substances Control Law Japan			Agricultural chemicals (insecticide)		REV5.1
1854	59669-26-0	3,7,9,13-tetramethyl-5,11-dioxo-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1855	505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol; isophytol		M	—	PRTR Law Japan/Class 1 of designated chemical			synthetic medium		REV5.1
1856	100-21-0	terephthalic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic, synthetic material, and synthetic medium		REV5.1
1857	120-61-6	dimethyl terephthalate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Plastic, synthetic material, and synthetic medium		REV5.1
1858	—	copper salts(water-soluble, except complex salts)		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1859	112-53-8	1-dodecanol; n-dodecyl alcohol		M	—	PRTR Law Japan/Class 1 of designated chemical			synthetic medium		REV5.1

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P:Prohibited M:Management R: Reduced

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1860	25103-58-6	tert-dodecanethiol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Lubricating oil additive, sterilizer, fungicide, stain-proofing agent, insecticide, mothball, synthetic medium, polymerization initiator, metallic rust prevention, rust retardant, and		REV5.1
1861	151-21-3	sodium dodecyl sulfate		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Anion surfactant		REV5.1
1862	112-57-2	3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Dye stuff supplementary agent, surface-active agent, adhesive, agricultural chemicals whole (The medium is included), and ion exchange resin, synthetic medium, protector of fiber wrinkleche		REV5.1
1863	121-44-8	triethylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dye stuff, pigments, paints, surface-active agent, herbicide, medicine, medicine medium, synthetic medium, and chemosynthesizes raw material, catalyst, and organic, reactive reagent		REV5.1

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1864	112-24-3	triethylenetetramine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Adhesive, sterilizer, fungicide, stain-proofing agent, insecticide, mothball and herbicide, crosslinking agent of ion exchange resin, Chemosyntheses raw material, Low molecular weight polyamide and softening agent		REV5.1
1865	76-03-9	trichloroacetic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Medicine, medicine medium, herbicide, release agent, corrosive, and deproteinization		REV5.1
1866	108-77-0	2,4,6-trichloro-1,3,5-triazine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, plastic, vulcanizing agent, vulcanization accelerator, surface-active agent, herbicide, medicine, and medicine medium		REV5.1
1867	76-06-2	trichloronitromethane; chloropicrin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
1868	55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid;		M	—	PRTR Law Japan/Class 1 of designated chemical			Herbicide		REV5.1
1869	88-06-2	2,4,6-trichlorophenol		M	—	PRTR Law Japan/Class 1 of designated chemical	—	—			REV5.1

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1870	102-82-9	tributylamine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	dye stuff, surface-active agent, lubricating oil additive, agricultural chemicals whole (The medium is included), a medicine, a medicine medium, a chemosynthesizes raw material, a catalyst, synthetic additive, and reforming agent of		REV5.1
1871	1582-09-8	α, α, α -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1872	118-79-6	2,4,6-tribromophenol		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Fire retarding material, raw materials such as preservatives and sterilizers		REV5.1
1873	3452-97-9	3,5,5-trimethyl-1-hexanol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Lubricating oil additive, solvent, surface-active agent, sterilizer, fungicide, stain-proofing agent, and chemosynthesizes raw		REV5.1
1874	108-67-8 25551-13-7 526-73-8 95-63-	1,2,4-trimethylbenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Medicine, medicine medium, and synthetic medium		REV5.1
1875	108-67-8 25551-13-7 526-73-8 95-63-	1,3,5-trimethylbenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			synthetic medium		REV5.1

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1876	26471-62-5	tolylene diisocyanate		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—	Pigments, paints, adhesive, plastic, and fiber processing agent		REV5.1
1877	106-49-0 108-44-1 95-53-	toluidine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—			REV5.1
1878	25376-45-8	toluenediamine		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1879	91-20-3	naphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Polyester coating, PVC		REV5.1
1880	3173-72-6	1,5-naphthalenediyl diisocyanate		M	—	PRTR Law Japan/Class 1 of designated chemical		—	synthetic medium		REV5.1
1881	13048-33-4	hexamethylene diacrylate	(HDDA)	M	—	PRTR Law Japan/Class 1 of designated chemical		—	polymer crosslinking agent		REV5.1
1882	7699-43-6	zirconium dichloride oxide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Pigments, paints, catalyst, synthetic medium, zirconyl soap, and wastewater treatment		REV5.1
1883	139-13-9	nitrilotriacetic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Surface-active agent, detergent, water softener, radioactive decontamination medicine, and agent of making to chelate		REV5.1
1884	91-23-6	o-nitroanisole		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Dyestuff, medicine, medicine medium, and synthetic medium		REV5.1
1885	88-74-4	o-nitroaniline		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, medicine, medicine medium, and synthetic medium		REV5.1

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1886	55-63-0	nitroglycerin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Fuel, gunpowder, dynamite, medicine, and medicine		REV5.1
1887	100-00-5	p-nitrochlorobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Dyestuff and synthetic medium		REV5.1
1888	88-72-2	o-nitrotoluene		M	—	PRTR Law Japan/Class 1 of designated chemical	—	—	Dyestuff and synthetic medium		REV5.1
1889	98-95-3	nitrobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Dyestuff, perfume, synthetic medium, Select solvent in oil industry, Calm oxidant, solvent, and dust prevention		REV5.1
1890	75-52-5	nitromethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Fuel, gunpowder, dynamite, surface-active agent, sterilizer, fungicide, stain-proofing agent, insecticide, mothball, medicine, and medicine medium and		REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1891	75-15-0	carbon disulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	volatile matter quality from vulcanizing elastomeric, solvent, cleaning agent, medicine, medicine medium, synthetic material, synthetic medium, and vulcanizing agent, vulcanization accelerator, floatation reagent, and analytical		REV5.1
1892	143-08-8	1-nonanol; nonyl alcohol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Perfume medium, surface-active agent, synthetic medium, and plasticizer medicine		REV5.1
1893	—	vanadium compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1894	3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic medium and general (The medium is included) agricultural		REV5.1
1895	1014-70-6	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine;		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Herbicide		REV5.1
1896	101-90-6	1,3-bis[(2,3-epoxypropyl)oxy]benzene, Diglycidyl resorcinol ether (DGRE)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	synthetic medium		REV5.1
1897	10380-28-6	bis(8-quinolinolato)copper; oxine-copper		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Sterilizer, fungicide, and stain-proofing agent		REV5.1
1898	74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine;		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Agricultural chemicals (insecticid		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1899	782-74-1	1,2-bis(2-chlorophenyl)hydrazine		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1900	137-30-4	zinc bis(N,N'-dimethyldithiocarbamate); ziram		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Vulcanizing agent and vulcanization accelerator, sterilizer, fungicide, and stain-proofing		REV5.1
1901	64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc)bis(N,N'-dimethyldithiocarbamate); polycarbamate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1902	80-43-3	bis(1-methyl-1-phenylethyl)peroxide		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Polymerization agent		REV5.1
1903	95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate		M	—	Poisonous and Deleterious Substances Control Law Japan			Agricultural chemicals		REV5.1
1904	—	arsenic and its inorganic compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1905	302-01-2	hydrazine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Residual monomers in plastics, pigments and adhesives, antioxidants stabilizing of Amines, Phenols, in oils, greases, natural latex; blowing agents for foamed		REV5.1
1906	99-76-3	methyl 4-hydroxybenzoate		M	—	PRTR Law Japan/Class 1 of designated chemical			Sterilization agent and preservative		REV5.1
1907	103-90-2	N-(4-hydroxyphenyl)acetamide		M	—	PRTR Law Japan/Class 1 of designated chemical			medicine		REV5.1

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P: Prohibited M: Management R: Reduced

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1908	123-31-9	hydroquinone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Photographic material, dyestuff, synthetic medium, polymerization initiator, chemosynthesizes raw material, organic, synthetic reducing agent, and		REV5.1
1909	100-40-3	4-vinyl-1-cyclohexene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	synthetic medium		REV5.1
1910	100-69-6	2-vinylpyridine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Adhesive, medicine, medicine medium, plastic, and synthetic		REV5.1
1911	88-12-0	N-vinyl-2-pyrrolidone	2-Pyrrolidinone, 1-ethenyl-	M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Raw material for Polyvinylpyrrolidone, Water-paint, Adhesive, Cosmetics		REV5.1
1912	92-52-4	biphenyl		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, sterilizer, fungicide, stain-proofing agent, insecticide, mothball, synthetic medium, heat media, and electrical insulation oil		REV5.1
1913	110-85-0	piperazine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Synthetic medium, insecticide, mothball, medicine, medicine medium, and veterinary anthelmint		REV5.1

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P:Prohibited M:Management R: Reduced

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1914	110-86-1	pyridine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Solvent, cleaning agent, surface-active agent, medicine, medicine medium, and degeneration of vulcanizing agent, vulcanization accelerator, and denaturant of alcohol		REV5.1
1915	120-80-9	pyrocatechol, Catechol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Perfume, medicine, medicine medium, synthetic medium, polymerization initiator, stabilizer, oxidation, age resistor, vulcanizing agent, vulcanization accelerator, softening agent raw material, analytical reagent, and development reagent		REV5.1
1916	96-09-3	phenyloxirane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Residual monomer		REV5.1
1917	100-63-0	phenylhydrazine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, medicine, medicine medium, synthetic medium, sugar, aldehyde, reagent for detection of ketone, and metallic		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1918	90-43-7	2-phenylphenol	o-Phenylphenol	M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Synthetic medium, sterilizer, fungicide, stain-proofing agent, medicine, medicine medium, stabilizer, and oxidation and age resistor		REV5.1
1919	941-69-5	N-phenylmaleimide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Heat resistant resin, paints, adhesive, medicine medium, agricultural chemicals medium, sterilizer, fungicide, underwater living thing rejectant, vulcanizing of rubber reforming medicine, and photoresist and the		REV5.1
1920	95-54-5 106-50-3 108-	phenylenediamine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—			REV5.1
1921	108-95-2	phenol	benzenol	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Residual monomer in phenolic resins, epoxy resins, anti-oxidant in phenol derivatives, decomposition product in polymeric materials.		REV5.1
1922	52645-53-1	3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1

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P: Prohibited M: Management R: Reduced

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1923	131-17-9	diallyl phthalate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Solvent, surface-active agent, plastic, plasticizer, and crosslinking agent		REV5.1
1924	84-66-2	diethyl phthalate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic, plasticizer, and perfume reservation agent		REV5.1
1925	69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one;		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide		REV5.1
1926	112410-23-8	N-tert-butyl-N-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide; tebufenozide		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche mical		REV5.1
1927	2426-08-6	n-butyl-2,3-epoxypropyl ether n-Butyl glycidyl ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Dyestuff, plastic, stabilizer, oxidation, age resistor, reforming material such as		REV5.1
1928	122008-85-9	butyl(R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate; cyhalofop-		M	—	Poisonous and Deleterious Substances Control Law Japan			Herbicide		REV5.1
1929	80060-09-9	1-tert-butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea; diafenthiuron		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Wettable powder		REV5.1
1930	19666-30-9	5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one;		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Herbicide		REV5.1
1931	134098-61-6	tert-butyl 4-(((1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene)aminoxy)methyl)benz		M	—	Poisonous and Deleterious Substances Control Law Japan			agriche mical		REV5.1
1932	25013-16-5	butylhydroxanisole; BHA	BHA	M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Stabilizer and oxidation and age resistor		REV5.1

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1933	75-91-2	tert-butyl hydroperoxide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Polymerization initiator and stiffening accelerant and		REV5.1
1934	89-72-5	o-sec-butylphenol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium		REV5.1
1935	98-54-4	4-tert-butylphenol		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Ink, spice, surface-active agent, adhesive, preservative, synthetic medium, stabilizer, oxidation, age resistor, reforming medicine.		REV5.1
1936	2312-35-8	2-(4-tert-butylphenoxy) cyclohexyl 2-propynyl sulfite; propargite;	BPPS	M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1937	96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone; pyridaben		M	—	Poisonous and Deleterious Substances Control Law Japan			Miticide		REV5.1
1938	119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide;tebufenpyrad		M	—	Poisonous and Deleterious Substances Control Law Japan			Agricultural chemicals and surface-active agent		REV5.1
1939	95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Vulcanizing agent and vulcanization		REV5.1
1940	88-60-8	2-tert-butyl-5-methylphenol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
1941	—	hydrogen fluoride and its water-soluble salts		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1942	4170-30-3	2-butenal		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Medicine, medicine medium, and synthetic medium		REV5.1

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1943	23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1944	12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1945	107-19-7	2-propyn-1-ol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Medicine, medicine medium, stabilizer, oxidation, age resistor, and metallic rust prevention		REV5.1
1946	75-27-4	bromodichloro methane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Standard solution for volatility organic compound analysis in water and		REV5.1
1947	314-40-9	5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione;		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Herbicide		REV5.1
1948	75-26-3	2-bromopropane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Photographic material, agricultural chemicals (The medium is included), and a medicine, a medicine medium, and a synthetic		REV5.1
1949	13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane; fenbutafin		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1950	115-29-7	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide;		P	0.0w%	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Insecticide and mothball		REV5.1
1951	112-02-7	hexadecyltrimethylammonium chloride		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Cation surface-active agent (antiseptic)		REV5.1

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1952	124-09-4	hexamethylene diamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Surface-active agent, plastic, and synthetic material		REV5.1
1953	822-06-0	hexamethylene diisocyanate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Pigments, paints, and synthetic medium		REV5.1
1954	110-54-3	n-hexane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Solvent, cleaning agent, solvent of various reactions, solvents such as paints and adhesives, extraction of edible fat and oil		REV5.1
1955	135-19-3	betanaphthol		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Dyestuff, sterilizer, fungicide, stain-proofing agent, preservative, medicine, and medicine medium, synthetic medium, and dressing		REV5.1
1956	—	water-soluble salts of peroxodisulfuric acid		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1957	98-07-7	benzylidene trichloride Benzotrichloride		M	—	PRTR Law Japan/Class 1 of designated chemical substances	—	—	Dyestuff, agricultural chemicals whole (The medium is included), a medicine, a medicine medium, a synthetic medium, the stabilizer, the oxidation, the age resistor, and the		REV5.1

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1958	100-44-7	benzyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Organic synthesis, dyestuff, synthetic medium, preparation, photograph development medicine, plastic, perfume, and gasoline polymerization		REV5.1
1959	100-52-7	benzaldehyde		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dyestuff, perfume, solvent, cleaning agent, medicine, medicine medium, synthetic medium, synthetic material supplementary agent, aromatic substance, seasoning medicine, and benzoic		REV5.1
1960	552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Plasticizer, pigments, paints, crosslinking agent, plastic, various additives, and synthetic media		REV5.1
1961	73250-68-7	2-(2-benzothiazolyl oxy)-N-methylacetanilide; mefenacet		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Herbicide		REV5.1
1962	119-61-9	benzophenone		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Perfume, detergent, insecticide, mothball, medicine, the medicine middle body synthesis medium, polymerization initiator, plasticizer, various		REV5.1
1963	—	boron compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1

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1964	—	poly(oxyethylene)alkyl ether(alkyl C=12-15)		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1965	9036-19-5	poly(oxyethylene)octylphenyl ether		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Wetting agent, emulsifying agent, cleaning agent, foaming agent, and solubilizer		REV5.1
1966	9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Surface-active agent		REV5.1
1967	9016-45-9	poly(oxyethylene)nonylphenyl ether		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
1968	85-44-9	phthalic anhydride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, pigments, paints, spice, insecticide, mothball, medicine, medicine medium, plastic, synthetic medium, plasticizer, and phenolphthalein		REV5.1
1969	108-31-6	maleic anhydride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Synthetic medium, plastic, stabilizer, oxidation, age resistor, pigments, paints, plasticizer, agricultural chemicals (The medium is included), and the surface-active		REV5.1
1970	79-41-4	methacrylic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic and synthetic medium		REV5.1

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1971	688-84-6	2-ethylhexyl methacrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Pigments, paints, surface-active agent, adhesive, lubricating oil additive, plastic, dental material, and fiber processing agent, and paper coating		REV5.1
1972	106-91-2	2,3-epoxypropyl methacrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Pigments, paints, adhesive, ion exchange resin, stabilizer, oxidation, age resistor, antistatic agent, fiber processing agent, reforming agent, and paper coating		REV5.1
1973	2867-47-2	2-(dimethylamino)ethyl methacrylate		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Pigments, paints, adhesive, lubricating oil additive, ion exchange resin, synthetic medium, stabilizer, oxidation, age resistor, fiber processing agent, and paper coating		REV5.1
1974	97-88-1	n-butyl methacrylate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Lubricating oil additive, plastic, synthetic medium, metallic rust prevention, rust retardant, fiber processing agent, and paper coating		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
1975	80-62-6	methyl methacrylate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Pigments, paints, and the adhesive, material for building, pellet for molding, illumination equipment, Advertising		REV5.1
1976	674-82-8	4-methylideneoxetan-2-one		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Dyestuff, sterilizer, fungicide, stain-proofing agent, medicine, medicine medium, and synthetic medium		REV5.1
1977	89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			preventive		REV5.1
1978	74-89-5	methylamine		M	—	Poisonous and Deleterious Substances Control Law Japan			Fuel, gunpowder, dynamite, dyestuff, agricultural chemicals (The medium is included), the medicine, the medicine medium, the chemosynthesizes raw material.		REV5.1
1979	556-61-6	methyl isothiocyanate		M	—	Poisonous and Deleterious Substances Control Law Japan			Sterilizer, fungicide, stain-proofing agent, insecticide, and mothball		REV5.1
1980	2631-40-5	2-isopropylphenyl N-methylcarbamate; isoprocarb; MIPC	MIPC	M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1981	63-25-2	1-naphthyl N-methylcarbamate; carbaryl; NAC	NAC	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1

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P: Prohibited M: Management R: Reduced

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1982	3766-81-2	2-sec-butylphenyl N-methylcarbamate; fenobucarb; BPMC	BPMC	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide		REV5.1
1983	100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinyl)carbamoylsulfamoyl-1-methylpyrazole-4-carboxylate; halosulfuron-methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-methyl (E)-2-[2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl]-3-methoxyacrylate; azoxystrobin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1984	173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-methyl (E)-2-[2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl]-3-methoxyacrylate; azoxystrobin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide		REV5.1
1985	131860-33-8	methyl (E)-2-[2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl]-3-methoxyacrylate; azoxystrobin		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer		REV5.1
1986	33089-61-1	3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene; N-methyldithiocarbamic acid; carbam		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Insecticide and mothball		REV5.1
1987	144-54-7	N-methyldithiocarbamic acid; carbam		M	—	PRTR Law Japan/Class 1 of designated chemical			agricultural		REV5.1
1988	23135-22-0	methyl-N,N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thioxamimidate; oxamyl		M	—	Poisonous and Deleterious Substances Control Law Japan			Insecticide and mothball		REV5.1
1989	136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimidinyl)ethyl benzoate; pyriminobac-methyl		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
1990	98-83-9	α -methylstyrene	Isopropenylbenzene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Pigments, paints, adhesive, plastic, and synthetic medium		REV5.1
1991	3268-49-3	3-methylthiopropional		M	—	PRTR Law Japan/Class 1 of designated chemical			Perfume and synthetic medium		REV5.1

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P: Prohibited M: Management R: Reduced

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1992	1321-94-4	methylnaphthalene		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Synthetic medium and fuel		REV5.1
1993	108-99-6	3-methylpyridine		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Dye stuff, solvent, cleaning agent, surface-active agent, insecticide, mothball, agricultural chemicals (The medium is included), medicine, medicine medium, a synthetic medium, the chemosynthesizes raw material, and the		REV5.1
1994	80-15-9	1-methyl-1-phenylethyl hydroperoxide		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Synthetic medium and catalyst		REV5.1
1995	55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide; mepronil		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Sterilizer		REV5.1
1996	16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate; methomyl		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
1997	141517-21-7	methyl (E)-methoxyimino[2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			agriche mical		REV5.1
1998	143390-89-0	methyl (E)-methoxyimino[2-(o-tolylloxymethyl)phenyl]acetate; kresoxim-methyl		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Sterilizer for agriculture		REV5.1
1999	5124-30-1	methylenebis(4,1-cyclohexylene) diisocyanate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	synthetic plastic		REV5.1

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P: Prohibited M: Management R: Reduced

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2000	101-68-8	methylenebis(4,1-phenylene) diisocyanate	(MDI)	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic, adhesive, pigments, paints, and synthetic material		REV5.1
2001	13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate; phenmedinham		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
2002	88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate;		M	—	PRTR Law Japan/Class 1 of designated chemical substances			Herbicide		REV5.1
2003	149-30-4	2-mercaptobenzothiazole		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	Sterilizer, fungicide, stain-proofing agent, preservative, synthetic medium, and vulcanizing agent, vulcanization accelerator, heating accelerant, and		REV5.1
2004	—	molybdenum and its compounds		M	—	PRTR Law Japan/Class 1 of designated chemical		—			REV5.1
2005	95-32-9	2-(morpholinodithio)benzothiazole		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Vulcanization accelerator		REV5.1
2006	110-91-8	morpholine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
2007	20859-73-8	aluminium phosphide		M	0.0w%	Export Trade Control Order, substances listed in row 35-3			Insecticide and mothball		REV5.1
2008	62-73-7	dimethyl 2,2-dichlorovinyl phosphate; dichlorvos; DDVP	DDVP	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
2009	78-42-2	tris(2-ethylhexyl) phosphate		M	—	PRTR Law Japan/Class 1 of designated chemical		—	Plasticizer		REV5.1

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P:Prohibited M:Management R: Reduced

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2010	1330-78-5	tritoyl phosphate		M	—	PRTR Law Japan/Class 1 of designated chemical substances		—	lubricating oil additive, plasticizer, stiffening accelerant, fire retarding material, vinyl film for agriculture, electric wire compound, and nonflamma		REV5.1
2011	115-86-6	triphenyl phosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Flame retardant		REV5.1
2012	126-73-8	tri-n-butyl phosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Hydraulic fluid (for aircraft)		REV5.1
2013	—	Dichlorobenzene and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2014	—	Alpha-Naphthylamine and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2015	—	Orthotolidine and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2016	—	Dianisidine and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2017	—	Beryllium and compounds thereof		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Alloy material		REV5.1
2018	1998-7-7	Benzotrichloride		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2019	—	Formulations or other substances containing more than 1% substances of No. 62 to 67 or more than		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2020	9002-98-6	POLYETHYLENEIMINE, BRANCHED		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2021	7782-50-5	Chlorine Cl2;Chlor;Chloro;Chlore;Chloor;Chlor8;Chlorine;chlorine0;Bertholite;dichlo		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2022	2465-27-2 492-80-8	AURAMINE O		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2023	91-15-6	o-Phthalodinitrile	1,2-Dicyanobenzene	M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2024	—	chromic acid and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2025	1314-62-1	Vanadium pentoxide V2O5;VANADIUM ;C.I. 77938;vanadium dust;vanadium fume;VANADIUM METAL;VANADIN(V)OXIDE; Vanadiumpentoxid;Vanadium (V)oxide;Vanadiumpentoxyde		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production			Oxidation of vehicle exhaust gas, used as a catalyst in dye mordants, paint and varnish drying		REV5.1
2026	8007-45-2	COAL TAR		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Oil and tars		REV5.1
2027	151-50-8	POTASSIUM CYANIDE		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2028	74-90-8	HYDROGEN CYANIDE, Blausure;prussic acid;formonitrile;methanenitrile;Formic nitrile;HYDROGEN CYANIDE;Hydrocyanic acid;hydrogen cyanide hydrocyanic acid;HYDROGEN CYANIDE.		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Dyestuff, insecticide, mothball, and agricultural chemicals (The medium is included), hygienic good, plastic, synthetic medium, metallurgy, and		REV5.1
2029	143-33-9	Sodium cyanide, NaCN;Cymag;Cyanogran;Cyanobrik;kyanidso dny;caswellno 758;Kyanid sodny;Natrium cyanid;cianuro disodio;Sodium cyanide		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Pigments, paints, synthetic medium, analytical reagent, plating, refinement, and hardening		REV5.1
2030	7738-94-5	dichromate acid and salt		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2031	13463-39-3	tetracarbonylnickel	Nickel carbonyl	M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—	Fuel, gunpowder, dynamite, catalyst, various additives, and high purity nickels and anti		REV5.1
2032	628-96-6	ethylene-dinitrate, EGDN		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production			Gunpowder and dynamite		REV5.1
2033	60-11-7	para-Dimethylamino azobenzene		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—			REV5.1
2034	100-00-5	4-Chloronitrobenzene		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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2035	57-57-8	2-Oxetanone, Betaprone; NSC-21626; Oxetanone; Propanilide; 2-OXETANONE; Propanilide; Propanolide; OXETANONE-2; 2-Oxooxetane; Oxetan-2-one, beta-		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—	Medicine, organic synthesis (acrylate and acrylate), and fiber reforming agent and sterilization disinfectants		REV5.1
2036	123333-54-0	PENTACHLOROPHENOL SODIUM SALT		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2037	632-99-5	Fuch sine, basic; Magenta(Fuch sine, basic)		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	dyestuff		REV5.1
2038	74-88-4	iodomethane		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2039	7783-06-4	hydrogen-sulphide		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2040	—	Drug product and other things that contain acrylamide (The one of content 1w% or less is)		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2041	—	Drug product and other things that contain acrylonitrile (The one of content 1w% or less is)		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2042	—	Drug product and other things that contain alkylmercury (The one of content 1w% or less is)		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2043	—	Drug product and other things that contain polyethyleneimine (The one of content 1w% or less is)		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2044	—	Drug product and other things that contain ethylene oxide (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2045	—	Drug product and other things that contain vinyl chloride (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2046	—	Drug product and other things that contain chlorine (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2047	—	Drug product and other things that contain auramine (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2048	—	Drug product and other things that contain o-Phthalodinitrile (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2049	—	Drug product and other things that contain chromic acid and salt (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2050	—	Drug product and other things that contain chloromethyl-methyl-ether (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2051	—	Drug product and other things that contain vanadium pentoxide (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2052	—	Drug product and other things that contain coal tar (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2053	—	Drug product and other things that contain arsenic trioxide (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2054	—	Drug product and other things that contain potassium cyanide (The one of content 5w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2055	—	Drug product and other things that contain hydrogen cyanide (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2056	—	Drug product and other things that contain sodium-cyanide (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2057	—	Drug product and other things that contain 4,4'-Methylene bis(2-chloroaniline) (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2058	—	Drug product and other things that contain Methyl bromide (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2059	—	Drug product and other things that contain dichromate acid and salte (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2060	—	Drug product and other things that contain mercury and its compounds (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2061	—	Drug product and other things that contain Toluene diisocyanate (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2062	—	Drug product and other things that contain tetracarbonyln ickel (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2063	—	Drug product and other things that contain ethylene-dinitrate (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2064	—	Drug product and other things that contain para-Dimethylamino azobenzene (The one of content 1w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2065	—	Drug product and other things that contain 4-Chloronitrobenzene (The one of content 5w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2066	—	Drug product and other things that contain hydrogen fluorite (The one of content 5w% or less is		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2067	—	Drug product and other things that contain 2-Oxetanone (The one of content 1w% or		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2068	—	Drug product and other things that Benzene (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2069	—	Drug product and other things that pentachlorphe nol sodium salt (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

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2070	—	Drug product and other things that fuchsine (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2071	—	Drug product and other things that manganese and compound thereof (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2072	—	Drug product and other things that iodomethane (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2073	—	Drug product and other things that hydrogen-sulphide (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2074	—	Drug product and other things that dimethyl-sulphate (The one of content 1w% or less is excluded).		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2075	630-08-0	carbon-monoxide		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—			REV5.1

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P:Prohibited M:Management R: Reduced

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2076	7647-01-0	hydrogen-chloride	Anhydrous hydrochloric acid	M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Dyestuff, agricultural chemicals (The medium is included), the medicine, the medicine medium, the plastic synthesis medium, the plasticizer, the catalyst, metallic rust prevention, the rust retardant, saccharification of starch, removal of iron of silver sand, generation of CO2 by combustion		REV5.1
2077	7697-37-2	nitric-acid		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	gunpowder, dynamite, photographic material, dyestuff, perfume, fertilizer, fertilizer medium, medicine, medicine medium, synthetic material, and reagent for synthetic medium, metallurgy		REV5.1
2078	7446-09-5	sulphur-dioxide	Sulfurous anhydride	M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production	—	—			REV5.1

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P:Prohibited M:Management R: Reduced

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2079	75-44-5	phosgene		M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Dyestuff, pigments, paints, adhesive, and solvent, surface-active agent, herbicide, medicine, medicine medium, plastic, synthetic medium, plasticizer, various additives, and gunpowder		REV5.1
2080	7664-93-9	sulphuric-acid	sulphuric-acid, Dipping acid,	M	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—	Fertilizer, fertilizer medium, synthetic medium, fiber, metallic smelting, steel making, spinning and weaving, paper manufacture, and provisions industry		REV5.1
2081	7664-93-9 7446-11-9	sulphuric-acid (include Sulfur trioxide)		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—			REV5.1
2082	—	Drug product and other things that ammonia (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2083	—	Drug product and other things that carbon-monoxide (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2084	—	Drug product and other things that hydrogen-chloride (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2085	—	Drug product and other things that nitric-acid (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1

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P: Prohibited M: Management R: Reduced

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2086	Drug product and other things that sulphur-dioxide (The one of content 1w% or less is		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2087	Drug product and other things that phenol (The one of content 5w% or less is		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2088	Drug product and other things that phosgene (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2089	Drug product and other things that Formaldehyde (The one of content 1w% or less is excluded).		R	—	Occupational Health and Safety Law Japan/ Substances that are restricted the production		—			REV5.1
2090	1803-12-9	Triphenyltin=N,N-Dimethyldithio carbamate	M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2091	379-52-2	TRIPHENYLTIN FLUORIDE	M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2092	900-95-8	Triphenyltin=acetate	M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2093	639-58-7	Chlorotriphenyltin	M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2094	76-87-9	TRIPHENYLTIN HYDROXIDE	M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
		Hydroxytriphenylstannane Hydroxytriphenylstannate Fentin hydroxide								

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P: Prohibited M: Management R: Reduced

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2095	—	triphenyltin fattyacid(9-11)salt)		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2096	7094-94-2	chloroacetoxy) triphenylstannane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2097	2155-70-6	TRIBUTYL TIN METHACRYLATE		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified	—	—	Fishing net antifoulant and ship's bottom paint		REV5.1
2098	6454-35-9	(E)-5,5,12,12-tetrabutyl-7,10-dioxo-6,11-dioxo-5,12-distannahectadec-8-ene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2099	1983-10-4	Fluorotributyltin		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2100	31732-71-5	(R*,S*)-8,9-dibromo-5,5,12,12-tetrabutyl-7,10-dioxo-6,11-dioxo-5,12-distannahectadecane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2101	56-36-0	TRI-N-BUTYL TIN ACETATE		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2102	3090-36-6	tributyl(lauroyl oxy)stannane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1

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P:Prohibited M:Management R: Reduced

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2103	4782-29-0	Bis (tributyltin) phthalate		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2104	—	copolymer of alkyl(c=8) acrylate, methyl methacrylate and tributyltin methacrylate		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2105	6517-25-5	tributyltinsulfamate		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2106	14275-57-1	(Z)-5,5,12,12-tetrabutyl-7,10-dioxo-6,11-dioxas-5,12-distannahexadec-8-ene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2107	1461-22-9	Chlorotributyltin		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—	Fishing net antifoulant and ship's bottom paint		REV5.1
2108	—	tributyltin cyclopentanecarbonate=mixture		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2109	26239-64-5	tributyltin-1,2,3,4,4A,4B,5,6,10,10A-decahydro-7-isopropyl-1,4A-dimethyl-1-phenanthrenecarboxylate mixture		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified		—			REV5.1
2110	78-93-3	Methyl ethyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Batteries, catalysts and back lights		REV5.1

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P: Prohibited M: Management R: Reduced

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2111	108-10-1	Methyl isobutyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Solvents and cleaning agents		REV5.1
2112	152-16-9	Octamethylpyrophosphoramide(Schradane)		M	0.0w%	Export Trade Control Order, substances listed in row 35-3			Agricultural chemicals		REV5.1
2113	8022-00-2 867-27-6 919-86-8	O,O-Dimethyl O-4-nitrophenyl phosphorothioate		M	0.0w%	Export Trade Control Order, substances listed in row 35-3			Agricultural chemicals		REV5.1
2114	8063-06-7	Curare		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2115	1335-85-9	Dinitro- <i>o</i> -cresol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2116	79-19-6	Thiosemicarbazide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2117	144-49-0	Monofluoroacetic acid		P	0.0w%	Export Trade Control Order, substances listed in row 35-3			agricultural chemicals		REV5.1
2118	1314-80-3 1314-85-8	Phosphorstrisulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2119	1314-80-3	Phosphorus pentasulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2120	—	Arsenic and its compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2121	7440-38-2	Arsenic		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2122	7784-42-1	Arsine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2123	17068-86-9	Calciumarsenite fluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2124	7784-35-2	Arsenic(III) fluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2125	7784-36-3	Arsenic(V) fluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2126	29935-35-1	Lithiumhexafluoroarsenate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2127	6423-72-9	Calciummethanearsonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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2128	33972-75-7	Ironmethane arsonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2129	10124-50-2	Potassium arsenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2130	27152-57-4	Calcium arsenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2131	7784-46-5	Sodium arsenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2132	22441-45-8	Arsenic pentachloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2133	1303-28-2	Arsenic pentoxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2134	7784-34-1	Arsenic trichloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2135	1327-53-3	Arsenic trioxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2136	12279-90-2	Tetraarsenic tetrarsulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2137	1303-32-8	Arsenic disulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2138	1303-33-9	Arsenic trisulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2139	2439-10-3	1-Dodecylguanidinium acetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2140	22781-23-3	2,2-Dimethyl-1,3-benzodioxol-4-yl-N-methylcarbamate (Bendiocarb)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2141	573-56-8	2,6-Dinitrophenol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2142	82-66-6	2-(Diphenylacetyl)-1,3-indanedione (別)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2143	60-24-2	2-Mercaptoethanol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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2144	55837-20-2	7-Bromo-6-chloro-3-[3-[(2R,3S)-3-hydroxy-2-piperidyl]-2-oxopropyl]-4(3H)-quinazolinone (Halofuginone)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2145	54381-26-9	N-Ethylmethyl-(2-chloro-4-methylmercaptophenyl)-thiophosphoramide (Amidothi)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2146	25311-71-1	(isopropoxycarbonyl)phenyl=N-isopropylphoramidothioate (別)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2147	13194-48-4	O-Ethyl=S,S-dipropylphosphorodithioate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2148	8048-12-2	Alkanolammonium 2,4-dinitro-6-(1-methylpropyl)phenolate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2149	297-78-9	Octachlorotetrahydromethanofutarane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2150	—	Cobalt and its compounds		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Hard metals, galvanic Zn-Co-plating, element in metals		REV5.1
2151	7440-48-4	Cobalt		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2152	13963-58-1	Potassiumcobaltcyanide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2153	80546-49-2	Cobalt(II)chlorate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2154	1307-96-6	Cobaltoxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2155	869-29-4	Diacetoxypropene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2156	557-21-1	Zinccyanide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2157	506-64-9	Silver(I)cyanide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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2158	562-81-2	Bariumtetracyanoplatinate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2159	333-29-9	Diethyl-(1,3-dithiocyclopentylidene)-thiophosphoramide		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2160	10311-84-9	2-chloro-1-phthalimidoethyl O,O-diethylphosphorodithioate (別名: Dialifor)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2161	3078-97-5	Thiophosphoric acid O,O-diethyl O-[4-[(dimethylamino)sulfonyl]phenyl]		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2162	1335-85-9	Dimethyl-(isopropylthioethyl)-dithiophosphate (Isothionate)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2163	1910-42-5	Paraquat dichloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2164	7782-49-2	Selenium		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2165	7783-07-5	Hydrogenselenide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2166	1310-32-3	Ferrous selenide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2167	7783-08-6	Selenic acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2168	7783-79-1	Selenium(VI) hexafluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2169	7783-00-8	Selenious acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2170	10102-18-8	Sodium selenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2171	26970-82-1	Disodium selenite pentahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2172	13718-59-7	Barium selenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2173	7446-08-4	Selenium dioxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2174	—	Tungsten and its water-soluble compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2175	7440-33-7	Tungsten		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2176	7783-82-6	Tungstenhexafluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2177	6420-47-9	Triethanolammonium-2,4-dinitro-6-(1-methylpropyl)phenolate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2178	55134-13-9	Narasin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2179	65907-30-4	Butyl-2,3-dihydro-2,2-dimethylbenzofuran-7-ylN,N'-dimethyl-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2180	7789-21-1	Fluorosulfonic acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2181	98-09-9	Benzenesulfonylchloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2182	2346-99-8	Methylcyclohexyl-4-chlorophenylthiophosphate(Cerezin)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2183	676-97-1	Methylphosphonic dichloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2184	39603-48-0	Methylenebis(1-thiosemicarbazide)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2185	544-16-1	Butylnitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2186	7783-55-3	Phosphorotrifluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2187	10294-34-5	Trichloroborane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2188	7783-60-0	Sulfurtetrafluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2189	66-32-0	Strychnine nitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2190	—	Copper and its compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2191	12002-03-8	Copperacetarsenite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2192	1317-39-1	Copper(I)oxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2193	142-71-2	Copper(II)acetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2194	7440-50-8	Copper		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2195	10103-61-4	Copperarsenate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2196	12062-24-7	Copperhexafluorosilicate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2197	544-92-3	Copper(I)cyanide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2198	13682-73-0	Potassiumdicyanocuprate(1-)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2199	14264-31-4	Sodiumcyanocuprate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2200	137-29-1	Copper dimethyldithiocarbamate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2201	1111-67-7	Copper(D)thiocyanate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2202	10102-90-6	Cupricpyrophosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2203	7758-89-6	Coppermonochloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2204	10085-76-4	Potassiumcupricchloridedihydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2205	7447-39-4	Copper(II)chloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2206	1332-40-7	Basiccopperchloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2207	12069-69-1	Basiccoppercarbonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2208	10031-43-3	Copperdinitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2209	6046-93-1	Copperdi(acetate)monohydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2210	7789-19-7	Copperfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2211	7681-65-4	Copper(Diiodide)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2212	7758-98-7	Copper(II)sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2213	7758-99-8	Copper(II)sulfatepentahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2214	13967-50-5	Potassiumdicyanoaurate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2215	65-30-5	Nicotinesulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2216	7783-35-9	Mercury(II)sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2217	2813-95-8	2,4-Dinitro-6-(1-methylpropyl)phenylacetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2218	131-89-5	2,4-Dinitro-6-cyclohexylphenol(別名DN)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2219	3281-96-7	Dibromo-4-hydroxy-4'-nitroazobenzene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2220	2595-54-2	Ethyl-N-(diethylthiophosphorylacetyl)-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2221	11135-81-2	Alloyofpotassiumandsodium		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2222	1319-77-3	Cresol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2223	95-48-7	o-Cresol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2224	108-39-4	m-Cresol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2225	106-44-5	p-Cresol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2226	917-61-3	Sodiumcyanate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2227	2275-14-1	O,O-DiethylS-2,5-dichlorophenylmercaptomethyl dithiophosphate(CMP)(Ph		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2228	786-19-6	Diethyl-4-chlorophenylmercaptomethyl dithiophosphat		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2229	66-81-9	Cycloheximide		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Sterilizer, fungicide, and stain-proofing agent		REV5.1
2230	821-10-3	Dichlorobutyn e		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2231	640-15-3	S-2-(Ethylthio)ethyl O,O-dimethylphosphorodithioate(Thiometon)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2232	145-73-3	Oxabicyclo[2.2.1]heptane - 2,3-		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2233	14769-73-4	(S)-2,3,5,6-tetrahydro-6-phenylimidazo[2,1-		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2234	16595-80-5	(S)-2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b]thiazolehydrochloride		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2235	67375-30-8	(S)-alpha-Cyano-3-phenoxybenzyl =3-(2,2-dichlorovinyl)-2,2-dimethyl-cis-cyclopropanecarboxylic acid(alpha-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2236	53558-25-1	1-(4-Nitrophenyl)-3-(3-pyridylmethyl)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2237	105827-78-9	1-(6-Chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine(I midacloprid)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2238	15263-52-2	Dicarbamoylthio-2-(N,N-dimethylamino)-propanehydrochloride 1-Chloro-1,2-dibromoethane		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2239	598-20-9	1-Chloro-1,2-dibromoethane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2240	109-70-6	1-Bromo-3-chloropropane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2241	6988-21-2	N-Methylcarbamidic acid 2-(1,3-dioxolan-2-yl)phenylester		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2242	494-52-0	3-Pyridyl-piperidine)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2243	111872-58-3	2-(4-Chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile Myclonbutanil		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2244	3691-35-8	2-Phenyl-para-chlorophenyl-acetyl)-1, 3-indandione (Chlorophacinone) 2(or4)-Isooctyl-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2245	39300-45-3	2(or4)-Isooctyl-4,6(or2,6)-dinitrophenyl(2E)-2-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2246	39515-40-7	2,2-Dimethyl-3-(2-methylpropenyl)-1-cyclopropanecarboxylic acid aldehyde cyanide		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2247	4554-16-9	2,3-Dibromopropionitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2248	108-62-3	2,4,6,8-Tetramethyl-1,3,5,7-tetraoxacyclooctane		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2249	609-89-2	2,4-Dichloro-6-nitrophenol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2250	64047-88-7	2,4-Dichloro-6-nitrophenol sodium salt		M	0.0w%	Export Trade Control Order, substances listed in row 35-3			Agricultural chemicals		REV5.1
2251	122371-93-1	2-(4-Chloro-3-cyano-5-formyl-2-thienylazo)-5-diethylamino-2-methoxyacetan		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

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P: Prohibited M: Management R: Reduced

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2252	104366-25-8	2-(4-Chloro-3-cyano-5-formyl-2-thienyl)azo-5-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2253	106917-52-6	2,4-Dichloro-alpha,alpha,alpha-trifluoro-4-nitro-m-tolenesulfonan		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2254	17420-30-3	2-Amino-5-nitrobenzonitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2255	29973-13-5	2-Ethylthiomethylphenyl-N-methylcarbamate(Ethiofencar		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2256	35996-61-3	2-Chloro-1-(2,4-dichlorophenyl)vinylethylmethylphosphate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2257	671-04-5	2-Chloro-4,5-dimethylphenyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2258	17756-81-9	2-Chloro-N-(2-cyanoethyl)acetamide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2259	999-81-5	2-Chloroethyltrimethylammoniumchloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2260	100-70-9	2-Cyanopyridine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2261	23505-41-1	2-Diethylamino-6-methylpyrimidyl-4-diethylthiophosphate(Ethylbi		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2262	23103-98-2	2-Dimethylamino-5,6-dimethylpyrimidyl-4-N,N-dimethylcarbamate(Pirimicar		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2263	583-91-5	2-Hydroxy-4-(methylthio)butanoicacid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2264	82657-04-3	2-Methyl-1,1'-biphenyl-3-ylmethyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclo		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2265	3811-49-2	2-Methoxy-1,3,2-benzodioxaphosphorine-2-sulfide(Salithion)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2266	111988-49-9	3-(6-Chloropyridine-3-ylmethyl)-1,3-thiazolidin-2-ylidene cyanamide		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2267	2425-10-7	3,4-Dimethylphenyl-N-methylcarbamate(別名)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2268	33439-45-1	3-[3-Chloro-4-(chlorodifluoromethylthio)phenyl]-1,1-dimethylurea(Thiochloromethyl)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2269	100-54-9	3-Cyanopyridine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2270	2631-37-0	3-Methyl-5-isopropylphenyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2271	1129-41-5	3-Methylphenyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2272	18809-57-9	4-Ethylmercaptophenyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2273	6392-46-7	4-Diallylamino-3,5-dimethylphenyl-N-methylcarbamate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2274	105779-78-0	5-Chloro-N-{2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl}-6-ethylpyrimidine-4-amine(Pyrimidifen)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2275	31895-22-4	5-Dimethylamino-1,2,3-trithianehydrogenoxalate(Thioevclam)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2276	35597-43-4	L-2-Amino-4-[(hydroxy)methyl]phosphinoyl]butyryl-L-alanyl-L-alanine(Bialap		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2277	71048-99-2	L-2-Amino-4-(methylphosphinato) butyryl-L-alanyl-L-		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2278	19750-95-9	N-(2-Methyl-4-chlorophenyl)-N,N-dimethylformidinehydrochloride		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2279	102-27-2	N-Ethyl-3-methylaniline		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2280	31218-83-4	N-Ethyl-O-(2-isopropocarbonyl-1-		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2281	103-69-5	N-Ethylaniline		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2282	767-10-2	N-butylpyrrolidine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2283	5903-13-9	N-Methyl-N-(1-naphthyl)-2-fluoroacetamid		P	0.0w%	Export Trade Control Order, substances listed in row 35-3			Agricultural chemicals		REV5.1
2284	3942-54-9	N-Methylcarbamyl-2-chlorophenol		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2285	2655-14-3	XMC	H-69;s1041;maqbal;Profam;MACBAL;COSBAN;3,5-Xmc;drc3340;M	M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2286	3761-41-9	O,O-Dimethyl-O-(3-methyl-4-methylsulfinylphenyl)-thiophosphate(Mesulfenfos)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2287	95-51-2	o-Chloroaniline		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2288	24151-93-7	S-(2-Methyl-1-piperidyl-carbonylmethyl) dipropyldithiophosphate(Piperophos)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2289	66952-49-6	S-(4-Methylsulfonyloxyphenyl)-N-methylthiocarb		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2290	51630-58-1	alpha-Cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate (別名:Fenvalerate)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2291	543-21-5	Acetylenedicarboxamide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2292	67772-01-4	Copolymers of alkyl (C8) = acrylate, methylmethacrylate, tributyltin methacrylate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2293	63935-38-6	alpha-Cyano-3-phenoxybenzyl = 2,2-dichloro-1-(4-ethoxyphenyl)-1-cyclopropanecarboxylate (Cypermethrin)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2294	52315-07-8	alpha-Cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2295	102851-06-9	alpha-Cyano-3-phenoxybenzyl N-(2-chloro-alpha,alpha,alpha-trifluorop-tolyl)-D-valinate (Fluvalinate)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2296	7664-41-7	Ammonia		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2297	1336-21-6	Ammonia water		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2298	78-82-0	Isobutyronitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2299	66230-04-4	Esfenvalerate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2300	13457-18-6	Pyrazophos		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2301	3792-59-4	Ethyl-2,4-dichlorophenyl thionobenzene phosphonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2302	13067-93-1	Ethyl-para-cyanophenylphosphonothioate (Cyanofenphos)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2303	109-78-4	Ethylenecyanohydrin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2304	7727-18-6	Vanadiumoxytrichloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2305	6465-92-5	Calcrofos		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2306	—	(R-COO)2Ba		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2307	16871-90-2	Potassiumsilicofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2308	16893-85-9	Sodiumsilicofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2309	16871-71-9	Zincsilicofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2310	53003-10-4	Salinomycin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2311	55721-31-8	Sodiumsalinomycin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2312	69409-94-5	Cyano(3-phenoxyphenyl)methylN-[2-chloro-4-(trifluoromethyl)phenyl]-DL-valinate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2313	372-09-8	Cyanoacetic acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2314	5827-05-4	Diisopropyl-S-(ethylsulfanyl-methyl)-dithiophosphate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2315	13286-32-3	O,O-diethyl-S-benzylthiophosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2316	5230-87-5	Anisatin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2317	1587-41-3	Dichlorodinitromethane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2318	108-60-1	Dichloroisopropylether		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2319	109-77-3	Dicyanomethane Malononitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2320	14194-07-1	Dititanium(III)trioxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2321	7292-16-2	Dipropyl-4-methylthiophosphosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2322	3309-87-3	DimethylS-para-chlorophenylthiophosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2323	2674-91-1	Dimethyl-ethylsulfanyl-isopropylthiophosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2324	732-11-6	Dimethylphthalylimidemethylthiophosph		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2325	1113-38-8	Ammoniumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2326	583-52-8	Potassiumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2327	563-72-4	Calciumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2328	14481-26-6	Potassiumtitaniumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2329	2040-52-0	Thoriumdioxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2330	62-76-0	Sodiumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2331	640-67-5	Manganeseoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2332	547-68-2	zincoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2333	5972-72-5	Ammoniumhydrogenoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2334	516-03-0	Ferrousoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2335	555-34-0	Ferrisodiumoxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2336	14221-47-7	Ammoniumtris(oxalato)ferrate (III)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	CRSSS- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2337	—	Tin and its compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2338	7440-31-5	tin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2339	1118-46-3	Butyl(trichloro)stannane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2340	7783-47-3	Stannousfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2341	74925-56-7	Stannoussilicofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2342	818-08-6	Dibutyltinoxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2343	594-27-4	Tetramethyltin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2344	2279-76-7	Tri-n-propyltinchloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2345	—	Dimethyldithiocarbamate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2346	26239-64-5	Mixture of tributyltin=1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthrene carboxylate and di		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2347	1983-10-4	Tributyltinfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2348	4782-29-0	Bis(tributyltin)phthalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2349	15578-26-4	Diphosphoric acid tin(2+) salt		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2350	7772-99-8	Tin chloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2351	7646-78-8	Stannic chloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2352	1067-97-6	Tributyltinhydroxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2353	7488-55-3	Tin(II)sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2354	814-94-8	StannousOxalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2355	1072-35-1	Lead stearate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2356	113378-31-7	Semduramicin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2357	—	Thallium and its water-soluble compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2358	7440-28-0	Thallium		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2359	10102-45-1	Thallium(D)nitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2360	563-68-8	Thalliumacetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2361	7446-18-6	Thaliumsulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2362	557-42-6	Zinethiocyanate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2363	13593-03-8	Thiophosphoric acidO,O-diethyl-O-2-quinoxalinyler(別名:Quinalphos)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2364	2275-23-2	Thiophosphoric acidO,O-dimethylS-[2-[1-(methylcarbamoyl)ethylthio]ethyl] ester		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2365	97-17-6	Dichlorophenyl)O,O-diethylphosphorothioate(Dichlofenthion)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2366	2636-26-2	Thiophosphoric acidO-4-cyanophenyl-O,O-dimethylester(別名:Cyanophos.)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2367	12047-27-7	Bariumtitaniumtrioxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

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2368	39185-89-2	Tetrachloronitroethane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2369	160430-64-8	trans-N-(6-chloro-3-pyridylmethyl)-N'-cyano-N-methylacetami		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2370	4607-81-2	Trichloronitroethylene		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2371	545-06-2	Trichloroacetonitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2372	10025-78-2	Trichlorosilane		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2373	49561-89-9	Trithiocyclohexadiene-3,4,6,7-tetranitrile(別)		M	—	Poisonous and Deleterious Substances Control Law Japan		—	Agricultural chemicals		REV5.1
2374	78-48-8	S,S-Tributylphosphorotrithioate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2375	1493-13-6	Trifluoromethanesulfonicacid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2376	25376-45-8	Toluylenediamine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2377	95-70-5	p-Toluylenediamine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2378	—	Barium and its water-soluble compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2379	7440-39-3	Barium		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2380	10361-37-2	Bariumchloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2381	10326-27-9	Bariumchloride, dihydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2382	1304-28-5	Bariumoxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2383	10022-31-8	Bariumnitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2384	543-80-6	Bariumacetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2385	17194-00-2	Bariumhydroxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2386	12230-71-6	Bariumhydroxide octahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2387	513-77-9	Bariumchlorate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2388	109-84-2	Hydroxyethylhydrazine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2389	7803-49-8	Hydroxylamine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2390	10039-54-0	Bis(hydroxylammonium)sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2391	7446-26-6	Zincpyrophosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2392	140-29-4	Phenylacetone		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2393	109-74-0	Butanenitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2394	27949-52-6	O-Butyl-S-benzyl-S-ethylphosphorodithioate(BEB)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2395	7787-32-8	Bariumfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2396	2079-00-7	Blasticidin-S		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2397	357-57-3	Brucine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2398	107-12-0	Propanenitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2399	598-31-2	Bromoacetone		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2400	100-47-0	Benzonitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2401	14708-13-5	Magnesiumtetrafluoroborate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2402	429-06-1	Tetraethylammoniumborofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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2403	13701-59-2	Bariummetabotate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2404	21609-90-5	Methyl-(4-bromo-2,5-dichlorophenyl)-thionobenzenphosphonate		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2405	175013-18-0	MethylN-[2-[1-(4-chlorophenyl)-1H-pyrazol-3-ylloxymethyl]phenyl](N-methoxy)carbamate(Pvraclost)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2406	18984-32-2	Zincmethyldithiocarbamate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2407	756-79-6	Dimethylmethylphosphonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2408	17090-79-8	Monensin		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2409	22373-78-0	Monensinsodium salt		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2410	351-05-3	Monofluoroacet-p-bromoanilide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2411	24312-44-5	N-(p-Bromobenzyl)fluoroacetamide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2412	7783-96-2	Silver(I)iodide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2413	10034-85-2	Hydrogeniodide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2414	78-97-7	Lactonitrile		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2415	11054-70-9	Lasalocid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2416	1314-84-7	Zincphosphide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2417	470-90-6	Phosphoric acid 2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl(別名:Chlorfenvin)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2418	2274-67-1	2-Chloro-1-(2,4-dichlorophenyl) vinyl dimethyl phosphate (別名)		M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.1
2419	7779-90-0	Zinc phosphate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2420	5349-28-0	Thiocyanatoacetic acid ethylester		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2421	7758-09-0	Potassium nitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2422	13780-06-8	Calcium nitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2423	7632-00-0	Sodium nitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2424	624-91-9	Methyl nitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2425	7783-99-5	Silver(I) nitrite		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2426	—	Lead and its inorganic compounds		P	0.1wt%※1 ※2	Yanmar voluntary regulation Poisonous and Deleterious Substances Control Law		—			REV5.1
2427	13453-07-1	Gold(III) chloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2428	16903-35-8	Hydrogen tetrachloroaurate(II)		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2429	1335-32-6	Basic lead acetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2430	142-04-1	Aniline hydrochloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2431	5470-11-1	Hydroxyl ammonium chloride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2432	13477-00-4	Barium chlorate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2433	124-43-6	Urea hydrogen peroxide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2434	13682-61-6	Potassium chloroaurate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2435	15189-51-2	Sodiumtetrachloroaurate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2436	—	Silver and its water-soluble compounds		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2437	7440-22-4	Silver		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2438	7761-88-8	Silver(I)nitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2439	7705-07-9	Trichlorotitanium		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2440	7785-23-1	Silverbromide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2441	13520-83-7	UranylNitratehexahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2442	7779-88-6	Zincnitrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2443	10196-18-6	Zincdinitratehexahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2444	541-09-3	Uranylacetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2445	6159-44-0	Uranylacetate dihydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2446	301-04-2	Lead acetate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2447	6080-56-4	Lead(II)acetate trihydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2448	57142-78-6	Dibasicleadphthalate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2449	—	Fluorine and its water-soluble inorganic		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2450	7789-23-3	Potassiumfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2451	1333-83-1	Sodiumhydrogen difluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2452	7782-41-4	Fluorine		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2453	16919-19-0	Ammoniumsilicofluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2454	18972-56-0	Magnesiumhexafluorosilicate hexahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2455	16961-83-4	Hexafluorosilicic acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2456	7681-49-4	Sodiumfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2457	7787-49-7	Berylliumfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2458	7783-49-5	Zincfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2459	16872-11-0	Tetrafluoroboric acid		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2460	13826-83-0	Ammoniumfluoroborate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2461	14075-53-7	Potassiumfluoroborate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2462	13755-29-8	Sodiumfluoroborate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2463	1341-49-7	Ammoniumhydrogen difluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2464	12125-01-8	Ammoniumfluoride		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2465	21109-95-5	Bariumsulfide		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2466	—	p-Dimethylamino benzenediaz sulfonate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2467	140-56-7	Sodium(p-dimethylamino) benzenediaz		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2468	7733-02-0	Zinc sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2469	7446-20-0	Zinc sulfate heptahydrate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2470	10294-26-5	Silver(I) sulfate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2471	17125-80-3	Bariumhexafluorosilicate		M	—	Poisonous and Deleterious Substances Control Law		—			REV5.1
2472	611-06-3	2,4-Dichloronitrobenzene	2,4-Dichloro-4-nitrobenzene;2,4-DICHLORONITROBENZENE;4-Nitro-m-dichlorobenzene;1,3-Dichloro-4-nitrobenzol;Nitro-2,4-dichlorobenzene;2,4-DICHLORO-1-NITROBENZENE;1,3-DICHLORO-4-NITROBENZENE;2,4-dichloro-1-nitro-	M	—	Poisonous and Deleterious Substances Control Law Japan		—	Additives for lubricating oil pressure. Vulcanization accelerator, fungicides, plant protection products and dyes for producing a raw material. Raw materials for		REV5.12
2473	7803-55-6	Ammonium metavanadate	NH4VO3;AMMONIUM OXIDE;VANADIUM OXIDE;Vanadate,ammonium;AMMONIUM VANADATE;rawastenumber p119;AMMONIUM M-VANADATE;Ammonia metavanadate;AMMONIUM MONOVANADATE;AMMONIUM METAVANADATE	M	—	Poisonous and Deleterious Substances Control Law Japan		—			REV5.12
2474	97-65-4	Itaconic acid		M	—	Poisonous and Deleterious Substances Control Law Japan			Raw materials for organic synthesis. Raw food additive. Latex raw material, water-soluble paint.		REV5.12
2475	79-10-7	Acrylic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2476	55719-33-0	Acrylic acid-hydroxypropyl acrylate copolymer	1-225;aa/hpa;TS-609;floculant TS-609;Acrylic acid-hydroxypropyl acrylate polymer;acrylic acid-hydroxypropyl acrylate copolymer;ACRYLIC ACID-2-HYDROXYPROPYL ACRYLATE COPOLYMER; Acrylic Acid-2-Hydroxypropyl Acrylate Copolymer (T-225);Acrylic Acid-2-Hydroxypropyl Acrylate Copolymer (equal to T-225);Acrylic acid-2-	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2477	124-04-9	adipic acid	hexanedioic acid	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2478	111-69-3	adiponitrile		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic material		REV5.1
2479	50-78-2	acetylsalicylic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2480	60-35-5	Acetamide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Solvent additive, stabilizer for softening agents		REV5.1
2481	98-86-2	acetophenone	1-phenylethanone	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2482	67-64-1	acetone	2-propanone	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRS=Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2483	7773-06-0	Ammonium sulfamate	AMS;Ammat;Amicide;Ammate;Ikurin;Amicide;ammatex;fyranj3;Ammate X;Root-out	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2484	61-82-5	Amitrole		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Dyestuff, herbicide, plasticizer, photograph medicine, and curing agent of		REV5.1
2485	1918-02-1	Picloram		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2486	504-29-0	2-Aminopyridine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Agricultural chemicals (The medium is included), medicine, medicine medium, synthetic medium, detector of bismuth antimony		REV5.1
2487	7631-90-5	sodium hydrogen sulfite	sodium bisulfite	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2488	—	Arylmercury compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2489	2179-59-1	allyl propyl disulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2490	121-45-9	Triethyl phosphite		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2491	—	alkylaluminium compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2492	81-81-2	Warfarin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2493	98-87-3	Benzal chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	BPO (benzoyl peroxide) raw material		REV5.1
2494	—	Water-soluble aluminum salts		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2495	624-83-9	Methyl isocyanate (MIC)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2496	768-52-5	N-ISOPROPYLA NILINE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2497	75-31-0	ISOPROPYLA MINE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2498	108-20-3	IPE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2499	123-51-3	Isoamyl alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2500	78-59-1	Isoforon		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	solvent mixtures for finishes, for polyvinyl and nitrocellulose resins, stoving lacquers. Solvent in some printing inks, paints.		REV5.1

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P:Prohibited M:Management R: Reduced

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2501	10025-67-9	Monochlorosulfur		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2502	10102-43-9	nitric oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2503	7440-65-5	Yttrium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2504	569-61-9	C.I. Basic Red 9 monohydrochloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2505	7440-74-6	Indium and its compounds		M	—	Occupational Health and Safety Law Japan(Article 57)/Cabinet Order (Article 18)/Designation indication		—			REV5.1
2506	95-13-6	indene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2507	51-79-6	Urethane (Ethyl carbamate)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	solvent, cleaning agent, synthetic medium, and biochemistry		REV5.1
2508	64-17-5	ethanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	dye, supplementary agent, detergent, medicine, medicine medium, agricultural chemicals (The medium is included), synthetic medium, stabilizer, oxidation, age resistor, and complex making		REV5.1

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P:Prohibited M:Management R: Reduced

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2509	16219-75-3	5-ethylidene-2-norbornen		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic synthesis medium		REV5.1
2510	75-04-7	ethylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2511	60-29-7	ethyl ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2512	106-68-3	Ethyl sec-pentyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2513	944-22-9	Ethyl dithiophosphonic acid O-ethyl S-phenyl ester	Fonofos	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2514	1338-23-4	methyl ethyl ketone peroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2515	100-74-3	N-Ethylmorpholine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium, solvent, and cleaning agent		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2516	107-21-1	Ethylene glycol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	gunpowder, dynamite, dyestuff, pigments, paints, perfume, solvent, cleaning agent, surface-active agent, lubricant, medicine, medicine medium, plastic, synthetic material, synthetic medium, refrigerative, various additives, anti-freezes, substitutions of glycerin, pastes for cosmetics and		REV5.1
2517	109-59-1	2-Isopropoxyethanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	synthetic medium		REV5.1
2518	111-76-2	Ethylene glycol n-butyl ether	Butyl cellosolve	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2519	107-07-3	2-Chloroethanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, solvent, cleaning agent, agricultural chemicals whole (The medium is included), and a medicine, a medicine medium, and a synthetic medium.		REV5.1
2520	637-92-3	Ethyl-tert-butyl ether	2-Ethoxy-2-methylpropane	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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	CAS	Substances	Synonyms	CRS=Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2521	4016-14-2	1,2-Epoxy-3-isopropoxypropane	Glycidyl isopropyl ether, Isopropyl glycidyl ether, (Isopropoxymethyl) oxirane	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2522	765-34-4	Glycidaldehyde		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2523	1302-74-5	ALUMINUM OXIDE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2524	12510-42-8;66733-21-9	Erionite		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2525	7646-85-7	Zinc Chlorode		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2526	12125-02-9	ammonium chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2527	506-77-4	cyanogen chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2528	7719-09-7	thionyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2529	98-88-4	benzoyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2530	10025-87-3	phosphoryl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2531	31242-93-0	Chlorinated diphenyloxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2532	7723-14-0 12185-10-3	Phosphorus		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Fuel, gunpowder, dynamite, electronic industrial material (semiconductor), and synthetic		REV5.1
2533	28434-86-8	4,4'-Oxybis(2-(chloroaniline))	3,3'-Dichloro-4,4'-diaminodiphenyl ether	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2534	3689-24-5	α, β -Dithiodiphosphoric acid O $\alpha, O\alpha, O\beta, O\beta$ -tetraethyl ester	Sulfatep	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2535	80-51-3	4,4'-Oxybis(benzenesulfonylhydrazide)	p,p'-Oxybis(benzenesulfonylhydrazide)	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Blowing agent		REV5.1
2536	7722-88-5	Tetrasodium oxybisphosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2537	2234-13-1	Octachloronaphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2538	123-96-6	2-Octanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2539	111-65-9	octane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2540	10028-15-6	ozone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2541	532-27-4	omega-chloroacetophenone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2542	2039-87-4	o-chlorostyrene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2543	95-50-1	1,2-Dichlorobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Cleaning agent of organic solvent and grease, insecticide, disinfectant, and conduction heat		REV5.1
2544	7722-84-1	Hydrogen peroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Fuel, gunpowder, dynamite, sterilizer, fungicide, stain-proofing agent, bleach, medicine, medicine medium, and plasticizer, chemosynthesizes raw material, catalyst.		REV5.1
2545	8006-61-9	gasoline		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2546	—	cadmium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2547	1333-86-4	Carbon black (airborne, unbound particles of respirable size)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2548	64-18-6	formic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

Table A5. YANMAR control substances

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2549	109-94-4	Ethyl formate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2550	107-31-3	Methyl formate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2551	1300-73-8	XYLIDINE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2552	79-04-9	Chloroacetic acid chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Synthetic medium		REV5.1
2553	107-20-0	Chloroacetaldehyde		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Medicine and dye intermediate		REV5.1
2554	78-95-5	Chloroacetone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2555	75-00-3	Chloroethane (Ethyl chloride)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Refrigerative, synthetic medium, insecticide, and mothball		REV5.1
2556	95-83-0	4-Chloro-o-phenylenediamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2557	1929-82-4	Nitrapyrin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2558	13838-16-9	2-chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane	enflurane	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2559	600-25-9	1-CHLORO-1-NITROPROPANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2560	126-99-8	2-CHLORO-1,3-BUTADIENE	Chloroprene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Raw material of chloroprene rubber and neoprene		REV5.1
2561	2698-41-1	2-Chlorobenzylidene malononitrile		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2562	3165-93-3 95-69-2	4-Chloro-2-methylaniline and its hydrochloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2563	64741-43-1 64741-44-2 64741-58-8 64743-06-2 68527-18-4	JIS Diesel fuel		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2564	195458-93-6	shale oil		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2565	463-51-4	ketene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2566	7782-65-2	GERMANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2567	8012-95-1	Paraffin oils		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2568	10026-13-8	Phosphorus pentachloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2569	8002-74-2	Paraffin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2570	7789-30-2	Bromine pentafluoride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2571	65996-79-4	Solvent naphtha (coal)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2572	64-19-7	Acetic Acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2573	141-78-6	Ethyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2574	108-84-9	1,3- dimethyl butyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2575	123-86-4 105-46-4 540-88-5	Butyl Acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2576	108-21-4 109-60-4	Isopropyl Acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2577	140-11-4	Benzyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Pigments, paints, ink, perfume, solvent, cleaning agent, medicine, medicine medium, and brightening agent		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRSSE- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2578	123-92-2 53496-15-4 620-11-1 624-41-9 625-16-1 626-38-0 628-63-7	Acetic acid pentyl	Amyl acetate	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2579	79-20-9	Methyl ac		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2580	9014-01-1 1395-21-7	Subtilisins		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2581	7719-12-2	Trichlorophos phane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2582	1314-13-2	Zinc oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2583	1344-28-1	Aluminium oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2584	1305-78-8	Calcium oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2585	13463-67-7	titanium(IV) oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2586	1309-37-1	Iron oxide.		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2587	10294-33-4	Boron Tribromide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2588	7790-91-2	Chlorotrifluoride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2589	7637-07-2	Trifluoroborane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2590	7778-54-3	Calcium hypochlorite		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2591	613-35-4	N,N'-Diacetylbenzidine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2592	123-42-2	Diacetone alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2593	334-88-3	Diazomethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium and methylate agent		REV5.1
2594	7085-85-0	2-Cyano-2-propenoic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2595	137-05-3	2-Propenoic acid, 2-cyano-, methyl ester		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2596	139-65-1	4,4'-Thiodianiline		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2597	592-01-8	Calcium cyanide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2598	108-83-8	DIISOBUTYL KETONE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2599	108-18-9	N,N-Di-i-propylamin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
2600	111-42-2	N,N-Diethanolamin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
2601	109-89-7	N,N-Diethylamin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
2602	96-22-0	Diethyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2603	1615-80-1	1,2-Diethylhydrazine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	CRSSE- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2604	111-40-0	Diethylenetriamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dye stuff, supplementary agent, surface-active agent, adhesive, solvent, surface-active agent, sterilizer, fungicide, stain-proofing agent, insecticide, mothball, herbicide, plastic, ion exchange resin, moist reinforced medicine of paper and liquid		REV5.1
2605	78-34-2	dioxathion		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2606	108-93-0	Cyclohexyl alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2607	108-94-1	Cyclohexanone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2608	10470-01-6	Cyclohexene	o-Phenylcyclohexylbenzene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2609	110-83-8	Cyclohexene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Medicine, medicine medium, synthetic medium, solvent, and cleaning		REV5.1
2610	12079-65-1	Cyclopentadienylmanganese(I) tricarbonyl		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2611	542-92-7	cyclopentadiene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2612	287-92-3	Cyclopentane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2613	7572-29-4	Dichloroacetylene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2614	16079-88-2	1-Bromo-3-chloro-5,5-dimethylhydantoin	BCDMH	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2615	2971-90-6	Clodolol	lerbek;coyden25	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2616	594-72-9	1,1-DICHLORO-1-NITROETHANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2617	136-78-7	DISULFIDE SODIUM SALT	2,4-dinitrophenyl sodium;disulfide sodium; herbicide	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2618	764-41-0	1,4-Dichloro-2-butene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Medium of hexamethylenediamine and chloroprene production		REV5.1
2619	75-99-0	2,2-Dichloropropionic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2620	20816-12-0	Osmium Tetraoxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2621	102-54-5	Dicyclopentadienyl iron	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	—	—	REV5.1
2622	35400-43-2	Sulprofos	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Insecticide	—	REV5.1
2623	298-02-2	Phorate	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	—	—	REV5.1
2624	86-50-0	Azinophosmethyl	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	—	—	REV5.1
2625	3761-53-3	2,7-Naphthalenedisulfonic acid,4-[(2,4-dimethylphenyl)azo]-3-hydroxy-disodium salt	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	—	—	REV5.1
2626	6459-94-5	C.I. Acid Red 114	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff	—	REV5.1
2627	3564-09-8	Ponceau 3R	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	—	—	REV5.1
2628	121-14-2 204-450-0	2,4-Dinitrotoluene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	raw material of toluene diisocyanate synthesis, chemical medium	—	REV5.1
2629	528-29-0 99-65-0 100-25-4	Dinitrochlorobenzene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	—	—	REV5.1
2630	102-81-8	2-(Dibutylamino) ethanol	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Catalyst, fiber supplementary agent, and emulsifying agent	—	REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
 *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2631	123-19-3	Di-n-propyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2632	96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	DBCP	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Sterilizer, fungicide, insecticide, mothball, stain-proofing agent, soil fumigation agent, soil fumigation medicine for		REV5.1
2633	75-61-6	Difluorodibromomethane	Halon-1202	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Refrigerative, solvent, blowing agent, extinguishing media, and aerosol		REV5.1
2634	94-36-0	Benzoyl peroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2635	19287-45-7	Diborane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2636	1694-09-3	Benzyl violet 4B	Acid Violet 49	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff		REV5.1
2637	14857-34-2	Dimethylethoxysilane	Ethoxydimethylsilane	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2638	79-44-7	Dimethylcarbamoyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Medicine, insecticide, medium for manufacture of pigment, and curing agent in photograp		REV5.1
2639	62-75-9	N-Nitrosodimethylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Pesticides, rubber tires, alkylamines, and dyes.		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2640	2074-50-2	Paraquat methosulfate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2641	99283-01-9	Methyl 2-(4,6-dimethyl-2-pyrimidinylamino carbonylamino sulfonyl) benzoate (alias Sulfometuron methyl)	sulfometuron methyl	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2642	6358-53-8	Citrus Red No. 2		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2643	74-96-4	Bromoethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Agricultural chemicals (The medium is included) and a medicine, a medicine medium, a synthetic medium, and the refrigerant		REV5.1
2644	10035-10-6	Hydrogen bromide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium, medicine, and medicine medium		REV5.1
2645	144-62-7	Oxalic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff supplementary agent, pigments, paints, medicine, medicine medium, and analytical reagent		REV5.1
2646	2052-07-5 2113-57-7 92-66-0 92-86-4 36355-01-8 59080-40-9 27858-07-7 27753-52-2	brominated biphenyl		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2647	627-13-4	n-Propyl nitrate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2648	76-22-2	Camphor		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2649	7803-62-5	silane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2650	14464-46-1 14808-60-7 15468-32-3 60676-86-0	silica		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2651	7440-67-7 10026-11-6 13746-89-9 14644-61-2 7699-43-6 7704-99-6 7783-64-4	Zirconium compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2652	—	Man-Made Mineral Fibers	MMMF	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2653	7439-97-6 10031-18-2 10045-94-0 10112-91-1 1335-31-5 21908-53-2 592-04-1 592-85-8 7487-94-7 7546-30-7 7782-86-7 7783-33-7 7783-35-9 7789-47-1	mercury and its inorganic compounds		P	0.1wt%※1 ※2	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US		—			REV5.1
2654	1310-58-3	Potassium hydroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dyestuff, solvent, cleaning agent, bleach, medicine, medicine medium, synthetic medium, various additives, alkaline batteries, petrochemical, mine safety lamps, and mine smelting		REV5.1
2655	1305-62-0	Calcium hydroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2656	21351-79-1	Cesium hydroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			synthetic medium		REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2657	1310-73-2	Sodium hydroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Dye stuff, perfume, solvent, cleaning agent, medicine, medicine medium, plastic, synthetic fabric, refinement of oils and fats, manufacturing soap, refinement of petroleum tar, alumina, manufacturing of paper pulp, and electroplating of alkaline		REV5.1
2658	1310-66-3	lithium hydroxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2659	7580-67-8	lithium hydride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2660	557-05-1	ZINC STEARATE Octadecanoic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2661	822-16-2	Sodium stearate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2662	557-04-0	Magnesium stearate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2663	57-24-9	strychnine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2664	8032-32-4	petroleum ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2665	8030-30-6	Petroleum naphtha	benzine	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2666	533-96-0	sodium sesquicarbonate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2667	7782-49-2 10102-18-8 13410-01-0 144-34-3 15123-92-9 15123-92-9 26970-82-1 5456-28-0 7446-08-4 7446-34-6 7488-56-4 7783-00-8 7783-07-5 7783-08-6 7783-79-1 7791-22-2	Selenium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2668	409-21-2	SiC		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2669	7440-25-7 1314-61-0	Tantalum and its oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2670	3383-96-8	(Thiodi-4,1-phenylenebisoxo)bisphosphoric acid O,O',O',O'-tetramethyl ester	Temephos	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2671	96-69-5	4,4'-Thiobis(6-tert-butyl-m-cresol)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic, stabilizer, and oxidation and age resistor		REV5.1
2672	126-75-0 298-03-3 8065-48-3	DEMETON		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2673	119-12-0	Pyridaphenthion		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2674	115-90-2	Fensulfothion		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2675	299-84-3	O-(2,4,5-trichlorophenyl) phosphorothioate	Ronne	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2676	17702-41-9	DECABORANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2677	10025-77-1 10028-22-5 10421-48-4 13601-19-9 14013-86-6 14217-21-1 7705-08-0 7720-78-7 7758-94-3	Water-soluble iron salts		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2678	2475-45-8	Disperse Blue 1		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2679	107-49-3	Tetraethyl pyrophosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2680	78-10-4	Tetraethoxysilane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2681	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2682	1335-88-2 20020-02-4 34588-40-4	tetrachloronaphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2683	72-57-1	Trypan blue (commercial grade)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2684	2429-74-5	C.I. Direct Blue 15		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff		REV5.1
2685	509-14-8	Tetranitromethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Gunpowder and dynamite		REV5.1
2686	109-99-9	tetrahydrofuran	THF	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2687	116-14-3	Tetrafluoroethylene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Plastic and synthetic medium		REV5.1
2688	79-27-6	1,1,2,2-TETRABROMOETHANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Solvent, cleaning agent, catalyst, fire retarding material, dressing up, liquid for liquid cage, and reagent for microscopi		REV5.1

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P:Prohibited M:Management R: Reduced											
	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2689	558-13-4	Carbon tetrabromide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2690	3333-52-6	Tetramethylsuccinonitrile		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2691	681-84-5	Tetramethyl orthosilicate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium and electronic industrial material (semicond		REV5.1
2692	479-45-8	tetryl		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2693	26140-60-3	Terphenyls		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Heat media		REV5.1
2694	13494-80-9 10102-20-2 1304-82-1 20941-65-5 593-80-6 627-54-3 7446-07-3 7783-80-4	tellurium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2695	8006-64-2 9005-90-7	turpentine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2696	8008-20-6	Kerosine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2697	76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2698	1321-65-9	Trichloronaphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			—		REV5.1
2699	72-43-5	1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide		REV5.1
2700	594-42-3	Trichloromethylsulfenyl chloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			—		REV5.1
2701	133-06-2	Captan		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Sterilizer, fungicide, and stain-proofing agent		REV5.1
2702	13121-70-5	Cyhexatin		M	0.0w%	Export Trade Control Order, substances listed in row 35-3	—	—			REV5.1
2703	14484-64-1	Dimethyldithiocarbamic acid, iron salt		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	Rubber and resin	Rubber and resin	Agricultural chemicals (sterilizer) and organic rubber agent (vulcanizat		REV5.1
2704	118-96-7 603-15-6	trinitrotoluene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			—		REV5.1
2705	603-34-9	triphenylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			—		REV5.1
2706	75-25-2	Bromoform		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Geological features analysis and heavy solution dressing up		REV5.1
2707	83-26-1	Trimethylacetyl two thirteen Indanjion		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			—		REV5.1

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2708	75-50-3	Trimethylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2709	86-88-4	1-naphthylthiourea		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2710	7681-57-4	Sodium metabisulfite		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2711	54-11-5	Nicotine	L-Nicotine	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Insecticide and mothball		REV5.1
2712	10049-04-4	chlorine dioxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2713	10102-44-0	nitrogen dioxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2714	6423-43-4	1,2-bis(nitryloxy)propane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2715	602-87-9	5-Nitroacenaphthene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2716	79-24-3	Nitroethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2717	9004-70-0	nitrocellulose		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Pyrotechnical compound		REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2718	59-89-2	N-Nitrosomorpholine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2719	88-72-2 99-08-1 99-99-0	nitrotoluene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2720	25322-01-4 108-03-2 79-46-9	Nitropropane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2721	138-22-7	n-Butyl lactate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2722	111-84-2	nonanoate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2723	109-73-9	n-Butylamine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2724	106-35-4	n-Butyl ethyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2725	7440-06-4 13454-96-1 16941-12-1	Platinum and its water-soluble salts		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2726	7440-58-6 37230-84-5	Hafnium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2727	104-94-9	p-Anisidine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Dyestuff and synthetic medium		REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2728	106-47-8	p-Chloroaniline	4-Chloroaniline	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Curing agent or crosslinking agent and dyestuff of polymer and epoxy		REV5.1
2729	106-46-7	p-Dichlorobenzene	1,4-Dichlorobenzene	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Dyestuff medium, insecticide, organic synthesis, preparation, deodorant, and agricultural		REV5.1
2730	98-51-1	p-tert-butyl toluene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2731	100-01-6	4-Nitroaniline		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Dyestuff and synthetic medium		REV5.1
2732	60-09-3	p-Aminoazobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	dyestuff		REV5.1
2733	106-51-4	1,4-Benzoquinone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	dyestuff, synthetic medium, oxidant, and dressing of leather		REV5.1
2734	150-76-5	p-Methoxyphenol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2735	88-89-1	Picric acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Gunpowder, dynamite, dyestuff, agricultural chemicals whole (The medium is included), and fireworks and the analytical		REV5.1
2736	2238-07-5	Diglycidyl ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2737	111-44-4	Bis(2-chloroethyl)ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2738	505-60-2	Mustard Gas		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2739	126-85-2	Nitrogen mustard N-oxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2740	563-12-2	S,S'-Methylene-O,O',O',O'-tetraethyl bis(dithiophosphate)	Ethion	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
2741	3033-62-3	Bis(2-dimethylaminoethyl) ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2742	106-87-6	4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2743	25013-15-4 611-15-4 100-80-1 622-97-9	vinyl toluene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2744	142-64-3	piperazine dihydrochloride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2745	8003-34-7	PYRETHRUM		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2746	638-21-1	Phenylphosphine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2747	92-84-2	Phenothiazine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide, mothball, medicine, and medicine medium		REV5.1
2748	12604-58-9	Ferro-vanadium		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2749	71-36-3 78-83-1 78-92-2 75-65-	butanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2750	131-11-3	Dimethyl phthalate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2751	106-97-8 75-28-5	butane	n-butane, iso-butane	M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2752	109-79-5	1-Butanethiol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2753	353-50-4	Carbonyl fluoride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2754	75-38-7	Vinylidene fluoride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2755	75-02-5	Vinyl fluoride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2756	62-74-8	Sodium fluoroacetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2757	98-01-1	2-Furancarboxaldehyde		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	rubber cements, wetting agent brake lining manufacture		REV5.1
2758	98-00-0	furfuryl alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2759	1120-71-4	1,3-Propane sultone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2760	79-09-4	Propanoic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2761	67-63-0 71-23-8	propyl alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2762	75-55-8	2-Methylaziridine (Propyleneimine)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	An adhesive material, an ion-exchange resin, water-soluble cationic flocculants, textile modifiers, wet strength polymer, such as a metal ion		REV5.1
2763	107-98-2	propyleneglycol monomethyl ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2764	593-60-2	Vinyl bromide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Plastic, synthetic medium, and fire retarding material		REV5.1
2765	151-67-7	Halothane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2766	319-84-6 319-85-7 319-86-8 58-89-9 608-73-1 6108-10-7 6108-11-8 6108-12-9 6108-	1,2,3,4,5,6-Hexachlorocyclohexane	Lindane	M	0.0w%	Export Trade Control Order, substances listed in row 35-3			Insecticide, preservative, antifoulant paint, and mothball (wood preservation material)		REV5.1
2767	77-47-4	Hexachlorocyclopentadiene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Synthetic medium and complexing		REV5.1
2768	1335-87-1 103426-96-6 103426-97-7	Hexachloronaphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2769	115-28-6	Chlorendic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Fire retarding material		REV5.1
2770	121-82-4	1,3,5-Triaza-1,3,5-Trinitrocyclohexane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Gunpowder and dynamite		REV5.1
2771	684-16-2	Hexafluoroacetone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2772	680-31-9	Hexamethylphosphoramide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	—	—	Solvent, solvent of organometallic and organic chemical reaction, and polystyrene stabilization		REV5.1
2773	25264-93-1 592-41-6	1-hexene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2774	3068-88-0	beta-Butyrolactone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2775	1024-57-3	Heptachlor epoxide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2776	142-82-5 31394-54-4	HEPTANE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2777	7727-54-0	Ammonium persulfate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2778	7727-21-1	Potassium persulfate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2779	7775-27-1	Sodium persulfate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2780	3825-26-1	PERFLUOROCARBOXYLIC ACID AMMONIUM SALT		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Fuel hose, gasket, wire insulator, and bearing		REV5.1
2781	271-89-6	Benzofuran		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2782	205-99-2	Benzo[<i>e</i>]fluoranthene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2783	1321-64-8	Pentachloronaphthalene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

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2784	82-68-8	Quintozine		M	0.0w%	Export Trade Control Order, substances listed in row 35-3		—	Synthetic medium, sterilizer, fungicide, and stain-proofing agent		REV5.1
2785	110-62-3	Valeraldehyde		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2786	382-21-8	Perfluoroisobutylene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2787	19624-22-7	Pentaborane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2788	109-66-0 463-82-1 78-78-4	Pentane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2789	1330-43-4 1303-96-4	Sodium tetraborate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2790	3570-75-0	2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2791	64742-47-8	JP-TS AVIATION FUEL		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2792	108-24-7	Acetic anhydride		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2793	1477-55-0	1,3-Bis(aminomethyl)benzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2794	126-98-7	Methacrylonitrile		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Plastic, synthetic material, and synthetic medium		REV5.1
2795	626-17-5	1,3-Dicyanobenzene		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2796	67-56-1	Methanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Window Washer fluid applications		REV5.1
2797	62-50-0	Ethyl methanesulfonate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2798	66-27-3	Methyl methanesulfonate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2799	109-87-5	Dimethoxymethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2800	74-99-7	Propyne		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2801	100-61-8	N-Methyl-N-phenylamin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Anticorrosive and lubricant		REV5.1
2802	2784-94-3	HC Blue 1		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2803	299-86-5	CRUFOMATE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2804	114-26-1	Propoxur		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—	Insecticide and mothball		REV5.1
2805	25639-42-3 583-59-5 591-23-1 589-91-3	METHYLCYCLOHEXANOL		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2806	1331-22-2 583-60-8 591-24-2 589-92-4 25639-42-3	METHYLCYCLOHEXANONE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1
2807	108-87-2	Methylcyclohexane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2808	12108-13-3	METHYLCYCLOPENTADIENE YLMANGANESE TRICARBONYL		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2809	148-01-6	Dinitolmide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2810	1634-04-4	methyl tert-butyl ether		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2811	41814-78-2	Tricyclazole		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2812	129-15-7	2-Methyl-1-nitroanthraquinone (of uncertain purity)		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2813	615-53-2	N-Nitroso-N-methylurethane		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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	CAS	Substances	Synonyms	CRSSE- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2814	591-78-6	Methyl n-butyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2815	110-43-0	2-Heptanone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2816	60-34-4	Methylhydrazine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Fuel, agricultural chemicals (The medium is included), and a medicine, a medicine medium, a synthetic medium, and the missile propellant.		REV5.1
2817	78-94-4	Methyl vinyl ketone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2818	2646-17-5	Oil Orange SS		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1
2819	107-87-9 563-80-4	2-Pentanone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2820	110-12-3	5-Methyl-2-hexanone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2821	108-11-2	4-Methyl-2-pentanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2822	107-41-5	2-Methyl-2,4-pentanediol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRSSE- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2823	74-93-1	METHYL MERCAPTAN		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2824	13429-07-7	1-(2- methoxypropoxy)propan-2- ol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2825	68-11-1	Mercaptoacetic acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Stabilizer, oxidation, age resistor, fertilizer, fertilizer medium, synthetic medium, Depilation prevention medicine, permanent liquid, processing of animal fiber, colorimetri c analysis of iron, and		REV5.1
2826	7439-98-7 10241-05-1 13106-76-8 1313-27-5 23412-45-5 7631-95-0 7783-77-9 110-91-8	Molybdenum and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2827	7553-56-2	Iodine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	Photographic material, dyestuff, sterilizer, fungicide, stain-proofing agent, agricultural chemicals (The medium is included), the medicine, the medicine medium, the stabilizer, antioxidant, the age resistor, the catalyst, the animal feed supplement, Refinement of precious metals, diagnostic		REV5.1
2828	75-47-8	Iodoform		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2829	75-18-3	Dimethyl sulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2830	16721-80-5	Sodium hydrosulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2831	1313-82-2	Sodium sulfide		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2832	2973-10-6	Diisopropyl sulfate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent	—	—			REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2833	7803-51-2	Phosphine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2834	7664-38-2	Phosphorous acid		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2835	107-66-4	Dibutyl phosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2836	2528-36-1	Dibutyl phenyl phosphate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2837	300-76-5	Dibrom		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent			Insecticide and mothball		REV5.1
2838	141-66-2	DICROTOPHOS		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2839	7786-34-7	MEVINPHOS		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2840	78-30-8	Phosphoric acid, tris(2-methylphenyl) ester		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning		—	component in lubricants for hydraulics, engines, gears, pumps		REV5.1
2841	108-46-3	Resorcine		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2842	7440-16-6 10049-07-7	Rhodium and its compounds		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	CRSSE- fication	Threshol d	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2843	8050-09-7	Rosin		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—	Solder, adhesive, and seal agent		REV5.1
2844	83-79-4	Rotenone		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning			Insecticide, mothball, medicine, medicine medium, and medicine		REV5.1
2845	78-83-1	1-Propanol, 2-methyl-		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2846	67-63-0	isopropyl alcohol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2847	110-19-0	Isobutyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2848	108-21-4	Isopropyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2849	123-92-2	Isoamyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2850	123-86-4	Butyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2851	109-60-4	Propyl acetate		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2852	540-59-0	1,2-DICHLOROETHYLENE		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1

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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2853	71-36-3	1-Butanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2854	78-92-2	2-Butanol		M	—	Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent		—			REV5.1
2855	—	Nickel compounds (limited to the powder-like substances excluding Nickel)		M	—	Occupational Health and Safety Law Japan(Article 57)/Cabinet Order (Article 18)/Designation indication		—			REV5.1
2856	—	Arsenic or its compounds (excluding Arsine and Gallium arsenide)		M	—	Occupational Health and Safety Law Japan(Article 57)/Cabinet Order (Article 18)/Designation indication		—			REV5.1
2857	32001-55-1	Pyridine hydrofluoride		M	—	Occupational Health and Safety Law Japan(Article 57)/Cabinet Order (Article 18)/Designation indication		—			REV5.1
2858	7664-39-3	Hydrogen fluoride		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—	electronic industrial material (semiconductor), solvent, cleaning agent, herbicide, plastic, synthetic medium, refrigerative, lamp matt, brewing industry, metallic cleaning, plating, extinguishing media, and propellant, analysis of		REV5.1
2859	7446-11-9	Sulfur trioxide		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—			REV5.1
2860	7783-61-1	SILICON TETRAFLUORIDE		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—			REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	P:Prohibited M:Management R: Reduced			revision
							Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	
2861	14832-90-7	Selenium oxide		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—		REV5.1
2862	107-03-9	1-Propanethiol		M	—	Air Pollution Control Law Japan, cabinet order/Specified substances		—		REV5.1
2863	79-21-0	Peracetic acid		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation				REV5.1
2864	21908-53-2	MERCURIC OXIDE, RED		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2865	36065-30-2	1,3,5-tribromo-2-(2,3-dibromo-2-methylpropoxy)benzene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Fire retarding material	REV5.1
2866	4904-61-4	Cyclododeca-1,5,9-triene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Chemosynthes raw material, plastic	REV5.1
2867	294-62-2	Cyclododecane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Industrial chemical raw material	REV5.1
2868	3194-55-6	1,2,5,6,9,10-Hexabromocyclododecane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2869	6731-36-8	1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2870	595-90-4	Tetraphenyltin		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch			Sterilizer		REV5.1
2871	3792-59-4	EPBP		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2872	1460-02-2	1,3,5-Tri-tert-butylbenzene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2873	—	Polybrominated biphenyl mixture(Br2-5)		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2874	6430-90-6	1,1'-Biphenyl, 2,4,4'-tribromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2875	6683-35-8	1,1'-Biphenyl, 3,4,4'-tribromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2876	16372-96-6	3,5-Dibromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2877	27479-65-8	Dibromo-1,1'-biphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2878	40088-45-7	1,2-dibromo-3-(3,4-dibromophenyl)benzene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	P:Prohibited M:Management R: Reduced			revision
							Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	
2879	51202-79-0	2,3,4-tribromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2880	56307-79-0	Pentabromo-1,1'-biphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2881	67888-97-5	2,4,5,3',4'-pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2882	72416-87-6	3,4,5-TRIBROMOBIPHENYL		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2883	80407-70-1	1,1-Biphenyl, 2,3,4,5,5'-pentabromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2884	81902-33-2	1,1'-Biphenyl, 3,3',4,5,5'-pentabromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2885	84303-46-8	3,3',4,4',5-PENTABB (PBB-126)		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2886	86029-64-3	1,3,5-tribromo-2-(3,4-dibromophenyl)benzene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2887	97038-99-8	2,3,3',4-Tetrabromo-1,1'-biphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2888	115245-06-2	1,1'-Biphenyl, 2,3-dibromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2889	115245-07-3	2,4,5-TRIBROMOBIPHENYL		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2890	115245-08-4	PBB-NO. 38		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2891	115245-09-5	1,1'-Biphenyl, 2,3,4,5-tetrabromo-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2892	115245-10-8	2,3,3',4',6-Pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2893	144978-86-9	2,3,3',4',6-Pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2894	144978-89-2	2,3,3',4',6-Pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2895	144978-90-5	2,3,3',4',6-Pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2896	507241-82-9	2,3,3',4',6-Pentabromobiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1

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2897	57912-86-4 71911-41-6 84304-87-0	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-, dimer		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2898	1010-74-8 861642-00-4	Naphthalene, decahydro-1-(1-methylethyl)-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2899	2668-47-5	2,6-di-tert-butyl-4-phenylphenol		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2900	38640-62-9	Diisopropyl naphthalene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	PCB substitute		REV5.1
2901	35860-37-8	TRISOPROPYLNAPHTHALENE		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2902	3864-99-1	Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	UV absorber used in moldings, doorside and roof etc.		REV5.1
2903	—	chlorinated paraffins (C11, chlorinated 7-12)		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2904	18993-26-5	Undecane, 1,1,1,3,5,7,9,11-nonachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2905	36312-81-9	Undecane, octachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1

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	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	P:Prohibited M:Management R: Reduced			revision
							Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	
2906	219697-10-6	Undecane, heptachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2907	219697-11-7	Undecane, nonachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2908	221174-07-8	Undecane, 1,2,10,11,?,?,?-octachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2909	276673-33-7	Undecane, decachloro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2910	601523-20-0	Undecane, 1,1,1,3,6,7,10,11-octachloro-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2911	601523-25-5	1,1,1,3,9,11,11,11-OCTACHLORO UNDECANE		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2912	28575-17-9	Diethylbiphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Heat transfer medium	REV5.1
2913	26898-17-9 29589-57-9 53585-53-8	dibenzyltoluene		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—		REV5.1
2914	42343-17-9	Triethyl biphenyl		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Heat transfer medium	REV5.1

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2915	36437-37-3	2-(2'-Hydroxy-3'-sec-butyl-5'-tert-butylphenyl)benzotriazole		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Ultraviolet absorber		REV5.1
2916	52184-14-2	2,4-bis(1,1-dimethylethyl)-6-[(2-nitrophenyl)azo]-		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2917	306-98-9	Perfluoro--1,2-dimethylcyclohexane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2918	118-82-1	4,4'-Methylenebis(2,6-di-tert-butylphenol)		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Antioxidant		REV5.1
2919	141074-63-7	Pentadecanoic acid, nonacosafluoro		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2920	67905-19-5	PERFLUOROHXADECANOIC ACID		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2921	335-57-9	Hexadecafluoroheptane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2922	335-67-1	PFOA - perfluorooctanoic acid		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—	Fuel hose, gasket, wire insulator, and bearing		REV5.1
2923	335-36-4	PERFLUORO-2-BUTYL-TETRAHYDROFURAN		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2924	2409-55-4	2-tert-Butyl-4-methylphenol		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2925	14233-37-5	Solvent Blue 36		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch		—			REV5.1
2926	51-92-3	Tetramethylammonium hydroxide		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2927	111-82-0	Methyl dodecanoate		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2928	93-83-4	Oleic acid diethanolamide		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2929	141-32-2	Acrylic acid n-butyl ester		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2930	53001-22-2	2-Methyl-2-propanol, tert-Butyl Alcohol		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2931	108-45-2	m-PHENYLENEDIAMINE		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

*3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2932	95-54-5	o-Phenylenediamine		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2933	95-51-2	o-chloroaniline		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2934	107065-10-1	Octadecylamine(N-B)triphenylborane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2935	250578-38-2	3-(2-Ethylhexyloxy)propylamine • triphenylborane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2936	101-14-4	Mixture of Bicyclo[2.2.1]heptane-2,5-diylidicyanide and bicyclo[2.2.1]heptane-2,6-diylidicyanide		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2937	971-66-4	Pyridine-triphenylborane		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2938	14915-37-8	Bis(1-hydroxy-1H-pyridine-2-thionato-O,S)copper		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1
2939	40839-73-4	Piperazine-1,4-dicarbodithioic acid dipotassium salt		M	—	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation		—			REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.

*2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2940	25068-38-6	4, 4'-エポキシプロピリデンジフェノールと1-クロロ-2, 3-エポキシプロパンの重縮合物 (別名ビスフェノールA型エポキシ樹脂) (液状の		M	-	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation Chemical Substance		-			REV5.1
2941	-	α - (difluoromethyl)- ω - ([jifuruorometokishi]) [poriokishi] ([jifuruoromechiren])/oxy- (tetrafluoroethylene) (Molecular weight limits from		M	-	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch Substance					REV5.1
2942	123-38-6	Propionaldehyde		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2943	123-72-8	Butyraldehyde		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2944	590-86-3	Isovaleraldehyde		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2945	107-92-6	(3R,4S)-1-Benzoyl-3-(1-methoxy-1-methylethoxy)-4-phenyl-2-azetidinone		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2946	109-52-4	pentanoic acid		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2947	503-74-2	Isovaleric acid		M	-	Offensive Odor Control Law/Offensive Odor Substances Japan		-			REV5.1
2948	—	total cyanide		M	-	National Environment Standards for Soil Contamination		-			REV5.1
2949	—	organophosphorous compound		M	-	National Environment Standards for Soil Contamination		-			REV5.1
2950	7440-38-2	arsenic		M	-	National Environment Standards for Soil Contamination		-			REV5.1
2951	7440-42-8	Boron		M	-	National Environment Standards for Soil Contamination		-			REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2952	26148-68-5	A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)		M	—	California, Proposition 65	—				REV5.1
2953	59-66-5	Acetazolamide		M	—	California, Proposition 65	—				REV5.1
2954	34256-82-1	Acetochlor		M	—	California, Proposition 65	—				REV5.1
2955	546-88-3	Acetohydroxamic acid		M	—	California, Proposition 65	—				REV5.1
2956	53-96-3	Acetylamino fluorene		M	—	California, Proposition 65	—		Experimental carcinogen		REV5.1
2957	62476-59-9	Acifluorfen sodium		M	—	California, Proposition 65	—				REV5.1
2958	50-76-0	Actinomycin D		M	—	California, Proposition 65	—				REV5.1
2959	3688-53-7	AF-2-[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide		M	—	California, Proposition 65	—				REV5.1
2960	—	Aflatoxins		M	—	California, Proposition 65	—				REV5.1
2961	—	Alcoholic beverages, when associated		M	—	California, Proposition 65	—				REV5.1
2962	302-79-4	All-trans retinoic acid		M	—	California, Proposition 65	—				REV5.1
2963	28981-97-7	Alprazolam		M	—	California, Proposition 65	—				REV5.1
2964	645-05-6	Altretamine		M	—	California, Proposition 65	—				REV5.1
2965	665-66-7	Amantadine hydrochloride		M	—	California, Proposition 65	—				REV5.1
2966	39831-55-5	Amikacin sulfate		M	—	California, Proposition 65	—				REV5.1
2967	117-79-3	2-Aminoanthraquinone		M	—	California, Proposition 65	—				REV5.1
2968	81-49-2	1-Amino-2,4-dibromoanthraquinone		M	—	California, Proposition 65	—				REV5.1
2969	6109-97-3	3-Amino-9-ethylcarbazole hydrochloride		M	—	California, Proposition 65	—				REV5.1
2970	153-78-6	2-Amino fluorene		M	—	California, Proposition 65	—				REV5.1
2971	125-84-8	Aminoglutethimide		M	—	California, Proposition 65	—				REV5.1
2972	—	Aminoglycosides		M	—	California, Proposition 65	—				REV5.1
2973	82-28-0	1-Amino-2-methylanthraquinone		M	—	California, Proposition 65	—				REV5.1
2974	712-68-5	2-Amino-5-(5-nitro-2-furyl)-1,3,4-		M	—	California, Proposition 65	—				REV5.1
2975	119-34-6	4-Amino-2-nitrophenol		M	—	California, Proposition 65	—				REV5.1
2976	54-62-6	Aminopterin		M	—	California, Proposition 65	—				REV5.1
2977	19774-82-4	Amiodarone hydrochloride		M	—	California, Proposition 65	—				REV5.1
2978	14028-44-5	Amoxapine		M	—	California, Proposition 65	—				REV5.1
2979	51264-14-3	Amsacrine		M	—	California, Proposition 65	—				REV5.1
2980	994-05-8	tert-Amyl methyl ether		M	—	California, Proposition 65	—				REV5.1
2981	—	Anabolic steroids		M	—	California, Proposition 65	—				REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
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P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
2982	—	Analgesic mixtures containing Phenacetin		M	—	California, Proposition 65	—				REV5.1
2983	63-05-8	Androstenedione		M	—	California, Proposition 65	—				REV5.1
2984	—	Angiotensin converting enzyme (ACE) inhibitors		M	—	California, Proposition 65	—				REV5.1
2985	134-29-2	o-Anisidine hydrochloride		M	—	California, Proposition 65	—				REV5.1
2986	117-37-3	Anisindione		M	—	California, Proposition 65	—				REV5.1
2987	84-65-1	Anthraquinone		M	—	California, Proposition 65	—				REV5.1
2988	1309-64-4	Antimony oxide (Antimony trioxide)		M	—	California, Proposition 65	—		Flame retardant for plastics and rubber/latex, opacifier, friction		REV5.1
2989	140-57-8	Aramite		M	—	California, Proposition 65	—				REV5.1
2990	—	Areca nut		M	—	California, Proposition 65	—				REV5.1
2991	313-67-7	Aristolochic acids		M	—	California, Proposition 65	—				REV5.1
2992	—	Arsenic (inorganic arsenic compounds)		M	—	California, Proposition 65	—				REV5.1
2993	—	Arsenic (inorganic oxides)		M	—	California, Proposition 65	—				REV5.1
2994	29122-68-7	Atenolol		M	—	California, Proposition 65	—				REV5.1
2995	492-80-8	Auramine		M	—	California, Proposition 65	—		Dyestuff, preservative, and synthetic medium		REV5.1
2996	34031-32-8	Auranofin		M	—	California, Proposition 65	—				REV5.1
2997	71751-41-2	Avermectin B1 (Abamectin)		M	—	California, Proposition 65	—				REV5.1
2998	320-67-2	Azacitidine		M	—	California, Proposition 65	—				REV5.1
2999	115-02-6	Azaserine		M	—	California, Proposition 65	—				REV5.1
3000	446-86-6	Azathioprine		M	—	California, Proposition 65	—				REV5.1
3001	103-33-3	Azobenzene		M	—	California, Proposition 65	—				REV5.1
3002	—	Barbiturates		M	—	California, Proposition 65	—				REV5.1
3003	5534-09-8	Beclomethasone dipropionate		M	—	California, Proposition 65	—				REV5.1
3004	177406-68-7	Benthiavalicarb-isopropyl		M	—	California, Proposition 65	—				REV5.1
3005	—	Benzidine-based dyes		M	—	California, Proposition 65	—				REV5.1
3006	—	Benzodiazepines		M	—	California, Proposition 65	—				REV5.1
3007	5411-22-3	Benzphetamine hydrochloride		M	—	California, Proposition 65	—				REV5.1
3008	1304-56-9	Beryllium oxide		M	—	California, Proposition 65	—				REV5.1
3009	—	Beryllium sulfate		M	—	California, Proposition 65	—				REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3010	—	Betel quid with tobacco		M	—	California, Proposition 65	—				REV5.1
3011	—	Betel quid without		M	—	California, Proposition 65	—				REV5.1
3012	3296-90-0	Bis(bromomethyl)-1,3-propanediol		M	—	California, Proposition 65	—		Fire retarding material		REV5.1
3013	494-03-1	N,N-Bis(2-chloroethyl)-2-naphthylamine		M	—	California, Proposition 65	—				REV5.1
3014	154-93-8	Bischloroethyl nitrosourea (BCNU) (Carmustine)		M	—	California, Proposition 65	—				REV5.1
3015	108-60-1	Bis(2-chloro-1-methylethyl)et		M	—	California, Proposition 65	—				REV5.1
3016	—	Bitumens, extracts of steam-refined and air refined		M	—	California, Proposition 65	—				REV5.1
3017	—	Bracken fern		M	—	California, Proposition 65	—				REV5.1
3018	53404-19-6	Bromacil lithium salt		M	—	California, Proposition 65	—				REV5.1
3019	15541-45-4	Bromate		M	—	California, Proposition 65	—				REV5.1
3020	5589-96-8	Bromochloroacetic acid		M	—	California, Proposition 65	—				REV5.1
3021	1689-84-5	Bromoxynil		M	—	California, Proposition 65	—				REV5.1
3022	1689-99-2	Bromoxynil octanoate		M	—	California, Proposition 65	—				REV5.1
3023	143-81-7	Butabarbital sodium		M	—	California, Proposition 65	—				REV5.1
3024	55-98-1	1,4-Butanediol dimethanesulfonate		M	—	California, Proposition 65	—				REV5.1
3025	75-60-5	Cacodylic acid		M	—	California, Proposition 65	—				REV5.1
3026	331-39-5	Caffeic acid		M	—	California, Proposition 65	—				REV5.1
3027	298-46-4	Carbamazepine		M	—	California, Proposition 65	—				REV5.1
3028	86-74-8	Carbazole		M	—	California, Proposition 65	—				REV5.1
3029	—	Carbon-black extracts		M	—	California, Proposition 65	—				REV5.1
3030	41575-94-4	Carboplatin		M	—	California, Proposition 65	—				REV5.1
3031	60391-92-6	N-Carboxymethyl-N-		M	—	California, Proposition 65	—				REV5.1
3032	—	Ceramic fibers (airborne particles of respirable size)		M	—	California, Proposition 65	—				REV5.1
3033	—	Certain combined chemotherapy for lymphomas		M	—	California, Proposition 65	—				REV5.1
3034	474-25-9	Chenodiol		M	—	California, Proposition 65	—				REV5.1
3035	305-03-3	Chlorambucil		M	—	California, Proposition 65	—				REV5.1
3036	56-75-7	Chloramphenicol		M	—	California, Proposition 65	—		Medicine and medicine medium		REV5.1
3037	1620-21-9	Chlorcyclizine hydrochloride		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3038	58-25-3	Chlordiazepoxide		M	—	California, Proposition 65	—				REV5.1
3039	438-41-5	Chlordiazepoxide		M	—	California, Proposition 65	—				REV5.1
3040	108171-26-2	Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)		M	—	California, Proposition 65	—				REV5.1
3041	20265-96-7	p-Chloroaniline		M	—	California, Proposition 65	—				REV5.1
3042	13010-47-4	1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)		M	—	California, Proposition 65	—				REV5.1
3043	13909-09-6	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea		M	—	California, Proposition 65	—				REV5.1
3044	95-69-2	4-Chloro-2-methylaniline	p-Chloro-otoluidine	M	—	California, Proposition 65	—		Dyestuff		REV5.1
3045	—	p-Chloro-otoluidine, hydrochloride		M	—	California, Proposition 65	—				REV5.1
3046	—	5-Chloro-otoluidine and its strong acid		M	—	California, Proposition 65	—				REV5.1
3047	569-57-3	Chlorotrianisene		M	—	California, Proposition 65	—				REV5.1
3048	54749-90-5	Chlorozotocin		M	—	California, Proposition 65	—				REV5.1
3049	64902-72-3	Chlorsulfuron		M	—	California, Proposition 65	—				REV5.1
3050	28407-37-6	C.I. Direct Blue 218		M	—	California, Proposition 65	—				REV5.1
3051	842-07-9	C.I. Solvent Yellow 14		M	—	California, Proposition 65	—				REV5.1
3052	59865-13-3; 79217-60-0	Ciclosporin (Cyclosporin A; Cyclosporine)		M	—	California, Proposition 65	—				REV5.1
3053	113852-37-2	Cidofovir		M	—	California, Proposition 65	—				REV5.1
3054	87-29-6	Cinnamyl anthranilate		M	—	California, Proposition 65	—				REV5.1
3055	15663-27-1	Cisplatin		M	—	California, Proposition 65	—				REV5.1
3056	4291-63-8	Cladribine		M	—	California, Proposition 65	—				REV5.1
3057	81103-11-9	Clarithromycin		M	—	California, Proposition 65	—				REV5.1
3058	25122-46-7	Clobetasol propionate		M	—	California, Proposition 65	—				REV5.1
3059	637-07-0	Clofibrate		M	—	California, Proposition 65	—				REV5.1
3060	50-41-9	Clomiphene citrate		M	—	California, Proposition 65	—				REV5.1
3061	57109-90-7	Clorazepate dipotassium		M	—	California, Proposition 65	—				REV5.1
3062	1307-96-6	Cobalt [II] oxide		M	—	California, Proposition 65	—				REV5.1
3063	10026-24-1	Cobalt sulfate heptahydrate		M	—	California, Proposition 65	—				REV5.1
3064	50-36-2	Cocaine		M	—	California, Proposition 65	—				REV5.1
3065	52-28-8	Codeine phosphate		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3066	—	Coke oven emissions		M	—	California, Proposition 65	—				REV5.1
3067	64-86-8	Colchicine		M	—	California, Proposition 65	—				REV5.1
3068	—	Conjugated estrogens		M	—	California, Proposition 65	—				REV5.1
3069	8001-58-9	Creosotes		M	—	California, Proposition 65	—				REV5.1
3070	135-20-6	Cupferron	N-nitroso-N-phenylhydroxylamine ammonium salt	M	—	California, Proposition 65	—		Polymerization suppressant		REV5.1
3071	14901-08-7	Cycasin		M	—	California, Proposition 65	—				REV5.1
3072	1134-23-2	Cycloate		M	—	California, Proposition 65	—				REV5.1
3073	27208-37-3	Cyclopenta[cd]pyrene		M	—	California, Proposition 65	—				REV5.1
3074	50-18-0	Cyclophosphamide		M	—	California, Proposition 65	—				REV5.1
3075	6055-19-2	Cyclophosphamide		M	—	California, Proposition 65	—				REV5.1
3076	147-94-4	Cytarabine		M	—	California, Proposition 65	—				REV5.1
3077	21739-91-3	Cytembena		M	—	California, Proposition 65	—				REV5.1
3078	3468-63-1	D&C Orange No. 17		M	—	California, Proposition 65	—		Colorant and colorant for pigments and textile		REV5.1
3079	2092-56-0	D&C Red No. 8		M	—	California, Proposition 65	—				REV5.1
3080	5160-02-1	D&C Red No. 9		M	—	California, Proposition 65	—				REV5.1
3081	81-88-9	D&C Red No. 19		M	—	California, Proposition 65	—				REV5.1
3082	4342-03-4	Dacarbazine		M	—	California, Proposition 65	—				REV5.1
3083	1596-84-5	Daminozide		M	—	California, Proposition 65	—				REV5.1
3084	17230-88-5	Danazol		M	—	California, Proposition 65	—				REV5.1
3085	117-10-2	Dantron (Chrysazin; 1,8-Dihydroxyanthracene)		M	—	California, Proposition 65	—				REV5.1
3086	20830-81-3	Daunomycin		M	—	California, Proposition 65	—				REV5.1
3087	23541-50-6	Daunorubicin hydrochloride		M	—	California, Proposition 65	—				REV5.1
3088	94-82-6	2,4-D butyric acid		M	—	California, Proposition 65	—				REV5.1
3089	72-54-8	DDD (Dichlorodiphenyl-dichloroethane)		M	—	California, Proposition 65	—				REV5.1
3090	72-55-9	DDE (Dichlorodiphenyl-dichloroethylene)		M	—	California, Proposition 65	—				REV5.1
3091	789-02-6	o,p'-DDT		M	—	California, Proposition 65	—				REV5.1
3092	64-73-3	Demeclocycline hydrochloride (internal use)		M	—	California, Proposition 65	—				REV5.1
3093	39156-41-7	Diaminoanisole sulfate		M	—	California, Proposition 65	—				REV5.1
3094	25376-45-8	Diaminotoluene (mixed)		M	—	California, Proposition 65	—				REV5.1

Table A5. YANMAR control substances

*1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
 *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3095	439-14-5	Diazepam		M	—	California, Proposition 65	—				REV5.1
3096	136-35-6	Diazoaminobenzene		M	—	California, Proposition 65	—				REV5.1
3097	364-98-7	Diazoxide		M	—	California, Proposition 65	—				REV5.1
3098	226-36-8	Dibenz[a,h]acridine		M	—	California, Proposition 65	—				REV5.1
3099	224-42-0	Dibenz[a,j]acridine		M	—	California, Proposition 65	—				REV5.1
3100	194-59-2	7H-Dibenzofuro[2,3-b]carbazole		M	—	California, Proposition 65	—				REV5.1
3101	192-65-4	Dibenzo[a,e]pyrene		M	—	California, Proposition 65	—				REV5.1
3102	189-64-0	Dibenzo[a,h]pyrene		M	—	California, Proposition 65	—				REV5.1
3103	189-55-9	Dibenzo[a,i]pyrene		M	—	California, Proposition 65	—				REV5.1
3104	191-30-0	Dibenzo[a,l]pyrene		M	—	California, Proposition 65	—				REV5.1
3105	631-64-1	Dibromoacetic acid		M	—	California, Proposition 65	—				REV5.1
3106	3252-43-5	Dibromoacetonitrile		M	—	California, Proposition 65	—				REV5.1
3107	96-13-9	2,3-Dibromo-1-propanol		M	—	Poisonous and Deleterious Substances Control Law Japan	—		Insecticide, mothball, medicine, medicine medium, synthetic medium, and fire retarding material		REV5.12
3108	79-43-6	Dichloroacetic acid		M	—	California, Proposition 65	—		Synthetic medium		REV5.1
3109	612-83-9	3,3'-Dichlorobenzidine dihydrochloride		M	—	California, Proposition 65	—				REV5.1
3110	75-34-3	1,1-Dichloroethane		M	—	California, Proposition 65	—				REV5.1
3111	97-23-4	Dichlorophene		M	—	California, Proposition 65	—				REV5.1
3112	120-97-8	Dichlorophenamide		M	—	California, Proposition 65	—				REV5.1
3113	51338-27-3	Diclofop-methyl		M	—	California, Proposition 65	—				REV5.1
3114	96-23-1	1,3-Dichloro-2-propanol (1,3-DCP)		M	—	California, Proposition 65	—		Solvent for anti-wrinkle agents and flame retardants in textiles, and in the production of epoxy		REV5.1
3115	66-76-2	Dicumarol		M	—	California, Proposition 65	—				REV5.1
3116	84-17-3	Dienestrol		M	—	California, Proposition 65	—				REV5.1
3117	1464-53-5	Diepoxybutane		M	—	California, Proposition 65	—				REV5.1
3118	—	Diesel engine exhaust		M	—	California, Proposition 65	—				REV5.1
3119	56-53-1	Diethylstilbestrol (DES)		M	—	California, Proposition 65	—				REV5.1
3120	22494-42-4	Diflunisal		M	—	California, Proposition 65	—				REV5.1
3121	6190-39-2	Dihydroergotamine mesylate		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

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3122	94-58-6	Dihydrosafrole		M	—	California, Proposition 65	—				REV5.1
3123	33286-22-5	Diltiazem hydrochloride		M	—	California, Proposition 65	—				REV5.1
3124	119-90-4	3,3'-Dimethoxybenzidine (o-Dianisidine)		M	—	California, Proposition 65	—		dyestuff		REV5.1
3125	20325-40-0	3,3'-Dimethoxybenzidine dihydrochloride		M	—	California, Proposition 65	—				REV5.1
3126	—	3,3'-Dimethoxybenzidine-based dyes metabolized to 3,3'-dimethoxybenzidine		M	—	California, Proposition 65	—				REV5.1
3127	55738-54-0	trans-2-[[[Dimethylamino]methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-		M	—	California, Proposition 65	—				REV5.1
3128	57-97-6	7,12-Dimethylbenz(a)anthracene		M	—	California, Proposition 65	—				REV5.1
3129	612-82-8	3,3'-Dimethylbenzidine dihydrochloride		M	—	California, Proposition 65	—				REV5.1
3130	—	3,3'-Dimethylbenzidine-based dyes metabolized to 3,3'-dimethylbenzidine		M	—	California, Proposition 65	—				REV5.1
3131	540-73-8	1,2-Dimethylhydrazine		M	—	California, Proposition 65	—		Fuel, synthetic medium, rocket fuel, and propellant		REV5.1
3132	513-37-1	Dimethylvinylchloride		M	—	California, Proposition 65	—				REV5.1
3133	84-75-3	Di-n-hexyl phthalate (DnHP)		M	—	California, Proposition 65	—				REV5.1
3134	99-65-0	m-Dinitrobenzene	1,3-Dinitrobenzene	M	—	California, Proposition 65	—		Dyestuff and organic industrial		REV5.1
3135	528-29-0	o-Dinitrobenzene		M	—	California, Proposition 65	—				REV5.1
3136	100-25-4	p-Dinitrobenzene		M	—	California, Proposition 65	—				REV5.1
3137	105735-71-5	3,7-Dinitrofluoranthene		M	—	California, Proposition 65	—				REV5.1
3138	22506-53-2	3,9-Dinitrofluoranthene		M	—	California, Proposition 65	—				REV5.1
3139	42397-64-8	1,6-Dinitropyrene		M	—	California, Proposition 65	—				REV5.1
3140	42397-65-9	1,8-Dinitropyrene		M	—	California, Proposition 65	—				REV5.1
3141	606-20-2	2,6-Dinitrotoluene		M	—	California, Proposition 65	—				REV5.1
3142	—	Dinitrotoluene (technical)		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3143	—	Dinitrotoluene mixture, 2,4-/2,6-		M	—	California, Proposition 65	—				REV5.1
3144	39300-45-3	Dinocap		M	—	California, Proposition 65	—				REV5.1
3145	136-45-8	Di-n-propyl isocinchomeronate (MGK Repellent 326)		M	—	California, Proposition 65	—				REV5.1
3146	57-41-0	Diphenylhydantoin (Phenytoin)	5,5-Diphenylhydantoin	M	—	California, Proposition 65			Medicine and medicine medium		REV5.1
3147	630-93-3	Diphenylhydantoin (Phenytoin),		M	—	California, Proposition 65	—				REV5.1
3148	1937-37-7	Direct Black 38 (technical)		M	—	California, Proposition 65	—				REV5.1
3149	2602-46-2	Direct Blue 6 (technical)		M	—	California, Proposition 65	—				REV5.1
3150	16071-86-6	Direct Brown 95 (technical)		M	—	California, Proposition 65	—				REV5.1
3151	138-93-2	Disodium cyanodithioimidocarbonate		M	—	California, Proposition 65	—				REV5.1
3152	25316-40-9	Doxorubicin hydrochloride (Adriamycin)		M	—	California, Proposition 65	—				REV5.1
3153	564-25-0	Doxycycline (internal use)		M	—	California, Proposition 65	—				REV5.1
3154	94088-85-4	Doxycycline calcium (internal use)		M	—	California, Proposition 65	—				REV5.1
3155	24390-14-5	Doxycycline hyclate (internal use)		M	—	California, Proposition 65	—				REV5.1
3156	17086-28-1	Doxycycline monohydrate (internal use)		M	—	California, Proposition 65	—				REV5.1
3157	—	Environmental tobacco smoke (ETS)		M	—	California, Proposition 65	—				REV5.1
3158	135319-73-2	Epoxiconazole		M	—	California, Proposition 65	—				REV5.1
3159	379-79-3	Ergotamine tartrate		M	—	California, Proposition 65	—				REV5.1
3160	50-28-2	Estradiol 17B		M	—	California, Proposition 65	—				REV5.1
3161	140-67-0	Estragole		M	—	California, Proposition 65	—				REV5.1
3162	—	Estrogens, steroidal		M	—	California, Proposition 65	—				REV5.1
3163	—	Estrogen-progestogen (combined) used as menopausal		M	—	California, Proposition 65	—				REV5.1
3164	53-16-7	Estrone		M	—	California, Proposition 65	—				REV5.1
3165	7280-37-7	Estropipate		M	—	California, Proposition 65	—				REV5.1
3166	—	Ethanol in alcoholic beverages		M	—	California, Proposition 65	—				REV5.1
3167	57-63-6	Ethinylestradiol		M	—	California, Proposition 65	—				REV5.1
3168	536-33-4	Ethionamide		M	—	California, Proposition 65	—				REV5.1
3169	13194-48-4	Ethoprop		M	—	California, Proposition 65	—				REV5.1
3170	—	Ethyl alcohol in alcoholic beverages		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3171	759-94-4	Ethyl dipropylthiocarbamate		M	—	California, Proposition 65	—				REV5.1
3172	41340-25-4	Etodolac		M	—	California, Proposition 65	—				REV5.1
3173	33419-42-0	Etoposide		M	—	California, Proposition 65	—				REV5.1
3174	—	Etoposide in combination with cisplatin and bleomycin		M	—	California, Proposition 65	—				REV5.1
3175	54350-48-0	Etretinate		M	—	California, Proposition 65	—				REV5.1
3176	66441-23-4	Fenoxaprop ethyl		M	—	California, Proposition 65	—				REV5.1
3177	72490-01-8	Fenoxycarb		M	—	California, Proposition 65	—				REV5.1
3178	121181-53-1	Filgrastim		M	—	California, Proposition 65	—				REV5.1
3179	69806-50-4	Fluazifop butyl		M	—	California, Proposition 65	—				REV5.1
3180	3385-03-3	Flunisolide		M	—	California, Proposition 65	—				REV5.1
3181	51-21-8	Fluorouracil		M	—	California, Proposition 65	—				REV5.1
3182	76-43-7	Fluoxymesterone		M	—	California, Proposition 65	—				REV5.1
3183	1172-18-5	Flurazepam hydrochloride		M	—	California, Proposition 65	—				REV5.1
3184	5104-49-4	Flurbiprofen		M	—	California, Proposition 65	—				REV5.1
3185	13311-84-7	Flutamide		M	—	California, Proposition 65	—				REV5.1
3186	80474-14-2	Fluticasone propionate		M	—	California, Proposition 65	—				REV5.1
3187	69409-94-5	Fluvalinate		M	—	California, Proposition 65	—				REV5.1
3188	133-07-3	N-(Trichloromethylthio)phthalimide, Folpet		M	—	California, Proposition 65			Sterilizer, fungicide, and stain-proofing agent		REV5.1
3189	116355-83-0	Fumonisin B1		M	—	California, Proposition 65	—				REV5.1
3190	67-45-8	Furazolidone		M	—	California, Proposition 65	—				REV5.1
3191	60568-05-0	Furmecycloz		M	—	California, Proposition 65	—				REV5.1
3192	79748-81-5	Fusarin C		M	—	California, Proposition 65	—				REV5.1
3193	1303-00-0	Gallium arsenide		M	—	California, Proposition 65	—				REV5.1
3194	82410-32-0	Ganciclovir		M	—	California, Proposition 65	—				REV5.1
3195	107910-75-8	Ganciclovir sodium		M	—	California, Proposition 65	—				REV5.1
3196	—	Gasoline engine exhaust (condensates/extracts)		M	—	California, Proposition 65	—				REV5.1
3197	25812-30-0	Gemfibrozil		M	—	California, Proposition 65	—				REV5.1
3198	—	Glasswool fibers (airborne particles of		M	—	California, Proposition 65	—				REV5.1
3199	67730-11-4	Glu-P-1 (2-Amino-6-methyldipyrido [1,2-a:3',2'-d]imidazole)		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

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3200	67730-10-3	Glu-P-2 (2-Aminodipyrido [1,2-a:3',2'-d]imidazole)		M	—	California, Proposition 65	—				REV5.1
3201	65807-02-5	Goserelin acetate		M	—	California, Proposition 65	—				REV5.1
3202	126-07-8	7-Chloro-2',4,6-trimethoxy-6'beta-methylspiro[benzofuran-2(3H),1'-[2]cyclohexene]-3,4'-dione, Griseofulvin		M	—	California, Proposition 65			Medicine		REV5.1
3203	16568-02-8	Gyromitrin (Acetaldehyde methylformylhydrazone)		M	—	California, Proposition 65	—				REV5.1
3204	23092-17-3	Halazepam		M	—	California, Proposition 65	—				REV5.1
3205	66852-54-8	Halobetasol propionate		M	—	California, Proposition 65	—				REV5.1
3206	52-86-8	Haloperidol		M	—	California, Proposition 65	—				REV5.1
3207	—	Herbal remedies containing plant species of the genus		M	—	California, Proposition 65	—				REV5.1
3208	608-73-1	Hexachlorocyclohexane (technical)		M	—	California, Proposition 65	—				REV5.1
3209	319-84-6	Hexachlorocyclohexane (alpha isomer)		M	—	California, Proposition 65	—				REV5.1
3210	319-85-7	Hexachlorocyclohexane (beta isomer)		M	—	California, Proposition 65	—				REV5.1
3211	58-89-9	Hexachlorocyclohexane (gamma)		M	—	California, Proposition 65	—				REV5.1
3212	34465-46-8	Hexachlorodibenzodioxin		M	—	California, Proposition 65	—				REV5.1
3213	—	2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans)		M	—	California, Proposition 65	—				REV5.1
3214	76712-82-8	Histrelin acetate		M	—	California, Proposition 65	—				REV5.1
3215	67485-29-4	Hydramethylnon		M	—	California, Proposition 65			Insecticide		REV5.1
3216	10034-93-2	Hydrazine sulfate		M	—	California, Proposition 65	—		Sterilizer, fungicide, stain-proofing agent, synthetic medium, catalyst, analytical reagent, and metal refining		REV5.1
3217	122-66-7	Hydrazobenzene (1,2-Diphenylhydrazine)		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

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3218	129-43-1	1-Hydroxyanthraquinone		M	—	California, Proposition 65	—				REV5.1
3219	127-07-1	Hydroxyurea		M	—	California, Proposition 65	—				REV5.1
3220	57852-57-0	Idarubicin hydrochloride		M	—	California, Proposition 65	—				REV5.1
3221	3778-73-2	Ifosfamide		M	—	California, Proposition 65	—				REV5.1
3222	10043-66-0	Iodine-131		M	—	California, Proposition 65	—				REV5.1
3223	35554-44-0	Imazalil		M	—	California, Proposition 65			Fungicide		REV5.1
3224	193-39-5	Indeno [1,2,3-cd]pyrene		M	—	California, Proposition 65	—				REV5.1
3225	22398-80-7	Indium phosphide		M	—	California, Proposition 65	—				REV5.1
3226	76180-96-6	IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)		M	—	California, Proposition 65	—				REV5.1
3227	140923-17-7 140923-25-7	Iprovalicarb		M	—	California, Proposition 65	—				REV5.1
3228	9004-66-4	Iron dextran complex		M	—	California, Proposition 65	—				REV5.1
3229	542-56-3	Isobutyl nitrite		M	—	California, Proposition 65	—				REV5.1
3230	120-58-1	Isosafrole Delisted December 8, 2006		—	—	California, Proposition 65	—				REV5.12
3231	4759-48-2	Isotretinoin		M	—	California, Proposition 65	—				REV5.1
3232	141112-29-0	Isoxaflutole		M	—	California, Proposition 65	—				REV5.1
3233	77501-63-4	Lactofen		M	—	California, Proposition 65	—				REV5.1
3234	303-34-4	Lasiocarpine		M	—	California, Proposition 65	—				REV5.1
3235	7446-27-7	Lead phosphate		M	—	California, Proposition 65	—				REV5.1
3236	—	Leather dust		M	—	California, Proposition 65	—				REV5.1
3237	74381-53-6	Leuprolide acetate		M	—	California, Proposition 65	—				REV5.1
3238	59-92-7	Levodopa		M	—	California, Proposition 65	—				REV5.1
3239	797-63-7	Levonorgestrel implants		M	—	California, Proposition 65	—				REV5.1
3240	—	Lindane and other hexachlorocyclohexane		M	—	California, Proposition 65	—				REV5.1
3241	554-13-2	Lithium carbonate		M	—	California, Proposition 65	—				REV5.1
3242	919-16-4	Lithium citrate		M	—	California, Proposition 65	—				REV5.1
3243	846-49-1	Lorazepam		M	—	California, Proposition 65	—				REV5.1
3244	75330-75-5	Lovastatin		M	—	California, Proposition 65	—				REV5.1
3245	52-76-6	Lynestrenol		M	—	California, Proposition 65	—				REV5.1
3246	24382-04-5	Malonaldehyde, sodium salt		M	—	California, Proposition 65	—				REV5.1
3247	—	Marijuana smoke		M	—	California, Proposition 65	—				REV5.1
3248	68006-83-7	Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)		M	—	California, Proposition 65	—				REV5.1

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3249	31431-39-7	Mebendazole		M	—	California, Proposition 65	—				REV5.1
3250	71-58-9	Medroxyprogesterone		M	—	California, Proposition 65	—				REV5.1
3251	595-33-5	Megestrol acetate		M	—	California, Proposition 65	—				REV5.1
3252	77094-11-2	MeIQ (2-Amino-3,4-dimethylimidazo[4,5-		M	—	California, Proposition 65	—				REV5.1
3253	77500-04-0	MeIQx (2-Amino-3,8-dimethylimidazo[4,5-fluinoxaline)		M	—	California, Proposition 65	—				REV5.1
3254	148-82-3	Melphalan		M	—	California, Proposition 65	—				REV5.1
3255	9002-68-0	Menotropins		M	—	California, Proposition 65	—				REV5.1
3256	110235-47-7	Mepanipirim		M	—	California, Proposition 65	—				REV5.1
3257	57-53-4	Meprobamate		M	—	California, Proposition 65	—				REV5.1
3258	6112-76-1	Mercaptopurine		M	—	California, Proposition 65	—				REV5.1
3259	531-76-0	Merphalan		M	—	California, Proposition 65	—				REV5.1
3260	72-33-3	Mestranol		M	—	California, Proposition 65	—				REV5.1
3261	137-41-7	Metam potassium		M	—	California, Proposition 65	—				REV5.1
3262	3963-95-9	Methacycline hydrochloride		M	—	California, Proposition 65	—				REV5.1
3263	137-42-8	Metham sodium		M	—	California, Proposition 65	—				REV5.1
3264	20354-26-1	Methazole		M	—	California, Proposition 65	—				REV5.1
3265	60-56-0	Methimazole		M	—	California, Proposition 65	—				REV5.1
3266	59-05-2	Methotrexate		M	—	California, Proposition 65	—				REV5.1
3267	15475-56-6	Methotrexate sodium		M	—	California, Proposition 65	—				REV5.1
3268	484-20-8	Methoxy psoralen with ultraviolet A therapy		M	—	California, Proposition 65	—				REV5.1
3269	298-81-7	Methoxy psoralen with ultraviolet A therapy	9-Methoxy-7H-furo-(3,2-g)(1)benzopyran-7-one	M	—	California, Proposition 65			Medicine and medicine medium		REV5.1
3270	590-96-5	Methylazoxymethanol		M	—	California, Proposition 65	—				REV5.1
3271	592-62-1	Methylazoxymethanol acetate		M	—	California, Proposition 65			Experimental carcinogen and synthetic		REV5.1
3272	598-55-0	Methyl carbamate		M	—	California, Proposition 65	—				REV5.1
3273	56-49-5	Methylcholanthrene		M	—	California, Proposition 65	—				REV5.1
3274	3697-24-3	Methylchrysen		M	—	California, Proposition 65	—				REV5.1
3275	13552-44-8	Methylenedianiline dihydrochloride		M	—	California, Proposition 65	—				REV5.1
3276	93-15-2	Methyleugenol		M	—	California, Proposition 65	—				REV5.1

Table A5. YANMAR control substances

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P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3277	60-34-4	Methylhydrazine and its salts		M	—	California, Proposition 65	—				REV5.1
3278	302-15-8	Methylhydrazine sulfate		M	—	California, Proposition 65	—				REV5.1
3279	822-36-6	4-Methylimidazole		M	—	California, Proposition 65	—				REV5.1
3280	—	Methylmercury compounds		M	—	California, Proposition 65	—				REV5.1
3281	70-25-7	N-Methyl-N'-nitro-N-nitrosoguanidine	1-Methyl-3-nitro-1-nitrosoguanidine	M	—	California, Proposition 65	—		Synthetic medium, carcinogenesis medicine and mutagenic		REV5.1
3282	924-42-5	N-Methylacrylamide		M	—	California, Proposition 65	—				REV5.1
3283	58-18-4	Methyltestosterone		M	—	California, Proposition 65	—				REV5.1
3284	56-04-2	Methylthiouracil		M	—	California, Proposition 65	—				REV5.1
3285	9006-42-2	Metiram		M	—	California, Proposition 65	—				REV5.1
3286	443-48-1	Metronidazole		M	—	California, Proposition 65	—				REV5.1
3287	59467-96-8	Midazolam hydrochloride		M	—	California, Proposition 65	—				REV5.1
3288	13614-98-7	Minocycline hydrochloride (internal use)		M	—	California, Proposition 65	—				REV5.1
3289	59122-46-2	Misoprostol		M	—	California, Proposition 65	—				REV5.1
3290	50-07-7	Mitomycin C		M	—	California, Proposition 65	—				REV5.1
3291	70476-82-3	Mitoxantrone hydrochloride		M	—	California, Proposition 65	—				REV5.1
3292	71526-07-3	MON 4660 (dichloroacetyl-1-oxa-4-azaspiro(4,5)-decane		M	—	California, Proposition 65	—				REV5.1
3293	121776-33-8	MON 13900 (furilazole)		M	—	California, Proposition 65	—				REV5.1
3294	96-24-2	Monochloropropane-1,2-diol (3-MCDP)		M	—	California, Proposition 65	—				REV5.1
3295	315-22-0	Monocrotaline		M	—	California, Proposition 65	—				REV5.1
3296	113803-47-7	MOPP (vincristine-prednisone-nitrogen mustard-procarbazine mixture)		M	—	California, Proposition 65	—				REV5.1
3297	139-91-3	(Morpholinomethyl)-3-[(5-nitrofurfurylidene)-amino]-2-		M	—	California, Proposition 65	—				REV5.1
3298	77439-76-0	MX (3-chloro-4-dichloromethyl-5-hydroxy-2(5H)-		M	—	California, Proposition 65	—				REV5.1
3299	142-59-6	Nabam		M	—	California, Proposition 65	—				REV5.1
3300	86220-42-0	Nafarelin acetate		M	—	California, Proposition 65	—				REV5.1

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P:Prohibited M:Management R: Reduced

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3301	3771-19-5	Nafenopin		M	—	California, Proposition 65	—				REV5.1
3302	389-08-2	Nalidixic acid		M	—	California, Proposition 65	—				REV5.1
3303	134-32-7	1-Naphthylamine		M	—	California, Proposition 65	—				REV5.1
3304	1405-10-3	Neomycin sulfate (internal use)		M	—	California, Proposition 65	—				REV5.1
3305	56391-57-2	Netilmicin sulfate		M	—	California, Proposition 65	—				REV5.1
3306	373-02-4	Nickel acetate		M	—	California, Proposition 65	—				REV5.1
3307	3333-67-3	Nickel carbonate		M	—	California, Proposition 65	—				REV5.1
3308	1271-28-9	Nickelocene		M	—	California, Proposition 65	—				REV5.1
3309	1313-99-1	Nickel oxide		M	—	California, Proposition 65	—				REV5.1
3310	—	Nickel refinery dust from the pyrometallurgical process		M	—	California, Proposition 65	—				REV5.1
3311	12035-72-2	Nickel subsulfide		M	—	California, Proposition 65	—				REV5.1
3312	21829-25-4	Nifedipine		M	—	California, Proposition 65	—				REV5.1
3313	66085-59-4	Nimodipine		M	—	California, Proposition 65	—				REV5.1
3314	61-57-4	Niridazole		M	—	California, Proposition 65	—				REV5.1
3315	18662-53-8	Nitilotriacetic acid, trisodium salt monohydrate		M	—	California, Proposition 65	—				REV5.1
3316	7496-02-8	Nitrochrysene		M	—	California, Proposition 65	—				REV5.1
3317	1836-75-5	Nitrofen (technical)		M	—	California, Proposition 65	—				REV5.1
3318	607-57-8	2-Nitrofluorene		M	—	California, Proposition 65	—				REV5.1
3319	67-20-9	Nitrofurantoin		M	—	California, Proposition 65	—				REV5.1
3320	59-87-0	Nitrofurazone		M	—	California, Proposition 65	—				REV5.1
3321	555-84-0	1-[5-Nitrofururylidene]-amino]-2-		M	—	California, Proposition 65	—				REV5.1
3322	531-82-8	N-[4-(5-Nitro-2-furyl)-2-thiazoly]acetamide		M	—	California, Proposition 65	—				REV5.1
3323	51-75-2	Nitrogen mustard (Mechlorethamine)		M	—	California, Proposition 65	—		Medicine, medicine medium, synthetic medium, and chemical arms		REV5.1
3324	55-86-7	Nitrogen mustard hydrochloride (Mechlorethamine)		M	—	California, Proposition 65	—				REV5.1
3325	302-70-5	Nitrogen mustard N-oxide		M	—	California, Proposition 65	—				REV5.1

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P:Prohibited M:Management R: Reduced

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3326	79-46-9	2-Nitropropane		M	—	California, Proposition 65	—		Gunpowder, dynamite, fuel, solvent, cleaning agent, surface-active agent, sterilizer, fungicide, stain-proofing agent, insecticide, mothball, medicine, and medicine		REV5.1
3327	5522-43-0	1-Nitropyrene		M	—	California, Proposition 65	—				REV5.1
3328	57835-92-4	4-Nitropyrene		M	—	California, Proposition 65	—				REV5.1
3329	1116-54-7	N-Nitrosodiethanolamine		M	—	California, Proposition 65	—		Rubbers (including synthetic rubbers); reaction and cleavage products from the polymerization		REV5.1
3330	55-18-5	N-Nitrosodiethylamine		M	—	California, Proposition 65	—				REV5.1
3331	924-16-3	N-Nitrosodimethylamine		M	—	California, Proposition 65	—				REV5.1
3332	621-64-7	N-Nitrosodimethylamine		M	—	California, Proposition 65	—				REV5.1
3333	156-10-5	p-Nitrosodiphenylamine		M	—	California, Proposition 65	—				REV5.1
3334	86-30-6	N-Nitrosodiphenylamine		M	—	California, Proposition 65	—				REV5.1
3335	60153-49-3	3-(N-Nitrosomethylamino)		M	—	California, Proposition 65	—				REV5.1
3336	64091-91-4	4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone		M	—	California, Proposition 65	—				REV5.1
3337	10595-95-6	N-Nitrosomethylthylamine		M	—	California, Proposition 65	—				REV5.1
3338	4549-40-0	N-Nitrosomethylvinylamine		M	—	California, Proposition 65	—				REV5.1
3339	759-73-9	N-Nitroso-N-ethylurea		M	—	California, Proposition 65	—				REV5.1
3340	684-93-5	N-Nitroso-N-methylurea		M	—	California, Proposition 65	—				REV5.1
3341	16543-55-8	N-Nitrosornicotine		M	—	California, Proposition 65	—				REV5.1
3342	100-75-4	N-Nitrosopiperidine		M	—	California, Proposition 65	—				REV5.1
3343	930-55-2	N-Nitrosopyrrolidine		M	—	California, Proposition 65	—				REV5.1

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3344	13256-22-9	N-Nitrososarcosine		M	—	California, Proposition 65	—				REV5.1
3345	68-22-4	Norethisterone (Norethindrone)		M	—	California, Proposition 65	—				REV5.1
3346	51-98-9	Norethisterone acetate (Norethindrone acetate)		M	—	California, Proposition 65	—				REV5.1
3347	68-22-4 57-63-6	Norethisterone (Norethindrone) /Ethinyl estradiol		M	—	California, Proposition 65	—				REV5.1
3348	68-22-4 72-33-3	Norethisterone (Norethindrone) /Mestranol		M	—	California, Proposition 65	—				REV5.1
3349	68-23-5	Norethynodrel		M	—	California, Proposition 65	—				REV5.1
3350	6533-00-2	Norgestrel		M	—	California, Proposition 65	—				REV5.1
3351	303-47-9	Ochratoxin A		M	—	California, Proposition 65	—				REV5.1
3352	—	Oral contraceptives, combined		M	—	California, Proposition 65	—				REV5.1
3353	19044-88-3	Oryzalin		M	—	California, Proposition 65	—				REV5.1
3354	604-75-1	Oxazepam		M	—	California, Proposition 65	—				REV5.1
3355	301-12-2	Oxydemeton methyl		M	—	California, Proposition 65	—				REV5.1
3356	434-07-1	Oxymetholone		M	—	California, Proposition 65	—				REV5.1
3357	79-57-2	Oxytetracycline (internal use)		M	—	California, Proposition 65	—				REV5.1
3358	2058-46-0	Oxytetracycline hydrochloride		M	—	California, Proposition 65	—				REV5.1
3359	2439-01-2	Oxythioquinox (Chinomethionin)		M	—	California, Proposition 65	—				REV5.1
3360	33069-62-4	Paclitaxel		M	—	California, Proposition 65	—				REV5.1
3361	12174-11-7	Palygorskite fibers (> 5mm in length)		M	—	California, Proposition 65	—				REV5.1
3362	794-93-4	Panfuran S		M	—	California, Proposition 65	—				REV5.1
3363	115-67-3	Paramethadione		M	—	California, Proposition 65	—				REV5.1
3364	52-67-5	Penicillamine		M	—	California, Proposition 65	—				REV5.1
3365	57-33-0	Pentobarbital sodium		M	—	California, Proposition 65	—				REV5.1
3366	53910-25-1	Pentostatin		M	—	California, Proposition 65	—				REV5.1
3367	63-98-9	Phenacemide		M	—	California, Proposition 65	—				REV5.1
3368	62-44-2	Phenacetin		M	—	California, Proposition 65			Medicine and medicine medium		REV5.1
3369	94-78-0	Phenazopyridine		M	—	California, Proposition 65	—				REV5.1
3370	136-40-3	Phenazopyridine		M	—	California, Proposition 65	—				REV5.1
3371	3546-10-9	Phenesterin		M	—	California, Proposition 65	—				REV5.1
3372	50-06-6	Phenobarbital		M	—	California, Proposition 65			Medicine and medicine medium		REV5.1
3373	59-96-1	Phenoxybenzamine		M	—	California, Proposition 65	—				REV5.1
3374	63-92-3	Phenoxybenzamine		M	—	California, Proposition 65	—				REV5.1

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3375	435-97-2	Phenprocoumon		M	—	California, Proposition 65	—				REV5.1
3376	95-54-5	Phenylenediamine ^{o-}		M	—	California, Proposition 65	—				REV5.1
3377	615-28-1	Phenylenediamine ^{o-}		M	—	California, Proposition 65	—				REV5.1
3378	—	Phenylhydrazine and its		M	—	California, Proposition 65	—				REV5.1
3379	100-63-0	Phenylhydrazine		M	—	California, Proposition 65	—				REV5.1
3380	59-88-1	Phenylhydrazine		M	—	California, Proposition 65	—				REV5.1
3381	132-27-4	Phenylphenate ^{o-} , sodium	Sodium 2-biphenylate	M	—	California, Proposition 65			Sterilizer, fungicide, and stain-proofing agent		REV5.1
3382	105650-23-5	PhIP(2-Amino-1-methyl-6-phenylimidazol)		M	—	California, Proposition 65	—				REV5.1
3383	2062-78-4	Pimozide		M	—	California, Proposition 65	—				REV5.1
3384	54-91-1	Pipobroman		M	—	California, Proposition 65	—				REV5.1
3385	23103-98-2	Pirimicarb		M	—	California, Proposition 65	—				REV5.1
3386	18378-89-7	Plicamycin		M	—	California, Proposition 65	—				REV5.1
3387	—	Polychlorinated biphenyls (containing 60 or more percent percent chlorine by		M	—	California, Proposition 65	—				REV5.1
3388	3268-87-9	Polychlorinated dibenzo-p-dioxins		M	—	California, Proposition 65	—				REV5.1
3389	—	Polychlorinated		M	—	California, Proposition 65	—				REV5.1
3390	53973-98-1	Polygeenan		M	—	California, Proposition 65	—				REV5.1
3391	7758-01-2	Potassium bromate		M	—	California, Proposition 65	—		Flour improving agent and analytical reagent, bromate titration, and food additive		REV5.1
3392	128-03-0	Potassium dimethyldithiocarbamate		M	—	California, Proposition 65	—				REV5.1
3393	81131-70-6	Pravastatin sodium		M	—	California, Proposition 65	—				REV5.1
3394	125-02-0	Prednisolone sodium phosphate		M	—	California, Proposition 65	—				REV5.1
3395	125-33-7	Primidone		M	—	California, Proposition 65	—				REV5.1
3396	671-16-9	Procarbazine		M	—	California, Proposition 65	—				REV5.1
3397	366-70-1	Procarbazine hydrochloride		M	—	California, Proposition 65	—				REV5.1
3398	32809-16-8	Procymidone		M	—	California, Proposition 65	—				REV5.1
3399	57-83-0	Progesterone		M	—	California, Proposition 65	—				REV5.1

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3400	1918-16-7	Propachlor		M	—	California, Proposition 65	—				REV5.1
3401	57018-52-7	Propylene glycol mono-t-butyl ether		M	—	California, Proposition 65	—				REV5.1
3402	51-52-5	Propylthiouracil		M	—	California, Proposition 65			Medicine, medicine medium, and anti-thyroid drug		REV5.1
3403	123312-89-0	Pymetrozine		M	—	California, Proposition 65	—				REV5.1
3404	58-14-0	Pyrimethamine		M	—	California, Proposition 65	—				REV5.1
3405	36735-22-5	Quazepam		M	—	California, Proposition 65	—				REV5.1
3406	—	Quinoline and its strong acid		M	—	California, Proposition 65	—				REV5.1
3407	—	Radionuclides		M	—	California, Proposition 65	—				REV5.1
3408	50-55-5	Reserpine		M	—	California, Proposition 65	—				REV5.1
3409	—	Residual (heavy) fuel		M	—	California, Proposition 65	—				REV5.1
3410	10453-86-8	Resmethrin	(5-Benzyl-3-furyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarbox	M	—	California, Proposition 65			Insecticide		REV5.1
3411	—	Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is		M	—	California, Proposition 65	—				REV5.1
3412	36791-04-5	Ribavirin		M	—	California, Proposition 65	—				REV5.1
3413	23246-96-0	Riddelliine		M	—	California, Proposition 65	—				REV5.1
3414	13292-46-1	Rifampin		M	—	California, Proposition 65	—				REV5.1
3415	94-59-7	Safrole		M	—	California, Proposition 65	—		Sterilizer, fungicide, stain-proofing agent, insecticide, mothball, synthetic medium, and perfume		REV5.1
3416	—	Salted fish, Chinese-style		M	—	California, Proposition 65	—				REV5.1
3417	309-43-3	Secobarbital sodium		M	—	California, Proposition 65	—				REV5.1

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3418	7446-34-6	Selenium sulfide		M	—	California, Proposition 65	—				REV5.1
3419	114466-38-5	Sermorelin acetate		M	—	California, Proposition 65	—				REV5.1
3420	68308-34-9	Shale-oils		M	—	California, Proposition 65	—				REV5.1
3421	—	Silica, crystalline (airborne particles of respirable size)		M	—	California, Proposition 65	—				REV5.1
3422	128-04-1	Sodium dimethyldithio carbamate		M	—	California, Proposition 65	—				REV5.1
3423	—	Soots, tars, and mineral oils (untreated and mildly treated oils and used		M	—	California, Proposition 65	—				REV5.1
3424	148477-71-8	Spirodiclofen		M	—	California, Proposition 65	—				REV5.1
3425	52-01-7	Spirolactone		M	—	California, Proposition 65	—				REV5.1
3426	10418-03-8	Stanozolol		M	—	California, Proposition 65	—				REV5.1
3427	10048-13-2	Sterigmatocystin		M	—	California, Proposition 65	—				REV5.1
3428	3810-74-0	Streptomycin sulfate		M	—	California, Proposition 65	—				REV5.1
3429	18883-66-4	Streptozocin (streptozotocin		M	—	California, Proposition 65	—				REV5.1
3430	—	Strong inorganic acid mists containing		M	—	California, Proposition 65	—				REV5.1
3431	95-06-7	Sulfallate		M	—	California, Proposition 65			Carbamate system herbicide		REV5.1
3432	599-79-1	Sulfasalazine (salicylazosulfapyridine)		M	—	California, Proposition 65	—				REV5.1
3433	38194-50-2	Sulindac		M	—	California, Proposition 65	—				REV5.1
3434	—	Talc containing asbestiform		M	—	California, Proposition 65	—				REV5.1
3435	10540-29-1	Tamoxifen and its salts		M	—	California, Proposition 65	—				REV5.1
3436	54965-24-1	Tamoxifen citrate		M	—	California, Proposition 65	—				REV5.1
3437	846-50-4	Temazepam		M	—	California, Proposition 65	—				REV5.1
3438	29767-20-2	Teniposide		M	—	California, Proposition 65	—				REV5.1
3439	5902-51-2	Terbacil		M	—	California, Proposition 65	—				REV5.1
3440	2593-15-9	Terrazole	Etridiazole	M	—	California, Proposition 65				Sterilizer	REV5.1
3441	58-22-0	Testosterone and its esters		M	—	California, Proposition 65	—				REV5.1
3442	58-20-8	Testosterone cypionate		M	—	California, Proposition 65	—				REV5.1
3443	315-37-7	Testosterone enanthate		M	—	California, Proposition 65	—				REV5.1
3444	5216-25-1	p-a,a,a-Tetrachlorotoluene		M	—	California, Proposition 65	—				REV5.1
3445	60-54-8	Tetracycline (internal use)		M	—	California, Proposition 65	—				REV5.1
3446	60-54-8	Tetracyclines (internal use)		M	—	California, Proposition 65	—				REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P: Prohibited M: Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3447	64-75-5	Tetracycline hydrochloride (internal use)		M	—	California, Proposition 65	—				REV5.1
3448	50-35-1	Thalidomide		M	—	California, Proposition 65	—				REV5.1
3449	62-55-5	Thioacetamide		M	—	California, Proposition 65			Dyestuff, medicine, medicine medium, synthetic medium, and photograph medicine		REV5.1
3450	154-42-7	Thioguanine		M	—	California, Proposition 65	—				REV5.1
3451	141-90-2	Thiouracil		M	—	California, Proposition 65	—				REV5.1
3452	1314-20-1	Thorium dioxide		M	—	California, Proposition 65	—				REV5.1
3453	—	Titanium dioxide (airborne, unbound particles of		M	—	California, Proposition 65	—				REV5.1
3454	—	Tobacco, oral use of smokeless products		M	—	California, Proposition 65	—				REV5.1
3455	—	Tobacco smoke		M	—	California, Proposition 65	—				REV5.1
3456	—	Tobacco smoke		M	—	California, Proposition 65	—				REV5.1
3457	49842-07-1	Tobramycin sulfate		M	—	California, Proposition 65	—				REV5.1
3458	636-21-5	o-Toluidine hydrochloride		M	—	California, Proposition 65	—				REV5.1
3459	—	Toxins derived from Fusarium moniliforme (Fusarium verticillioides)		M	—	California, Proposition 65	—				REV5.1
3460	299-75-2	Treosulfan		M	—	California, Proposition 65	—				REV5.1
3461	43121-43-3	Triadimefon		M	—	California, Proposition 65	—				REV5.1
3462	28911-01-5	Triazolam		M	—	California, Proposition 65	—				REV5.1
3463	78-48-8	S,S,S-Tributyl phosphorotrithioate (Tribufos,		M	—	California, Proposition 65	—				REV5.1
3464	817-09-4	Trichlormethine (Trimustine hydrochloride)		M	—	California, Proposition 65	—				REV5.1
3465	38260-01-4	Trientine hydrochloride		M	—	California, Proposition 65	—				REV5.1
3466	26644-46-2	Triforine		M	—	California, Proposition 65	—				REV5.1
3467	13647-35-3	Trilostane		M	—	California, Proposition 65	—				REV5.1
3468	127-48-0	Trimethadione		M	—	California, Proposition 65	—				REV5.1
3469	—	2,4,5-Trimethylaniline and its strong acid		M	—	California, Proposition 65	—				REV5.1
3470	512-56-1	Trimethyl phosphate		M	—	California, Proposition 65	—		Flame retardant		REV5.1
3471	82952-64-5	Trimetrexate glucuronate		M	—	California, Proposition 65	—				REV5.1
3472	118-96-7	2,4,6-Trinitrotoluene (TNT)		M	—	California, Proposition 65			Gunpowder and dynamite		REV5.1

Table A5. YANMAR control substances

- *1. The gross weight of lead, mercury, cadmium, and hexavalent chrome is 0.01wt% or less for packaging and packaging waste.
- *2. According to each law or standard that in case of usage that corresponds to EU RoHS Directive, ELV Directive, and Yanmar voluntary restraint exclusion usage.
- *3. The prohibition beginning of on the market is done by revision REACH Directive that it prohibited according to the REACH revision of rules in February, 2012.

P:Prohibited M:Management R: Reduced

	CAS	Substances	Synonyms	Classification	Threshold	Conforming law or regulation	Yanmar products with content possibility	Yanmar facilities with content possibility	Major examples of Usage	remark	revision
3473	76-87-9	Triphenyltin hydroxide		M	—	California, Proposition 65	—		Fishing net antifouling and ship's bottom paint		REV5.1
3474	68-76-8	Tris(aziridinyl)-p-benzoquinone (Triaziquone) Delisted December 8, 2006 [Click here for the		M	—	California, Proposition 65	—				REV5.1
3475	52-24-4	Tris(1-aziridinyl)phosphine sulfide (Thiotepa)		M	—	California, Proposition 65	—				REV5.1
3476	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate (TDCPP)		M	—	California, Proposition 65	—				REV5.1
3477	62450-06-0	Trp-P-1 (Tryptophan-P-1)		M	—	California, Proposition 65	—				REV5.1
3478	62450-07-1	Trp-P-2 (Tryptophan-P-2)		M	—	California, Proposition 65	—				REV5.1
3479	—	Unleaded gasoline (wholly)		M	—	California, Proposition 65	—				REV5.1
3480	66-75-1	Uracil mustard		M	—	California, Proposition 65	—				REV5.1
3481	97048-13-0	Urofollitropin		M	—	California, Proposition 65	—				REV5.1
3482	99-66-1	Valproate (Valproic acid)		M	—	California, Proposition 65	—				REV5.1
3483	143-67-9	Vinblastine sulfate		M	—	California, Proposition 65	—				REV5.1
3484	2068-78-2	Vincristine sulfate		M	—	California, Proposition 65	—				REV5.1
3485	7481-89-2	Zalcitabine		M	—	California, Proposition 65	—				REV5.1
3486	30516-87-1	Zidovudine (AZT)		M	—	California, Proposition 65	—				REV5.1
3487	111406-87-2	Zileuton		M	—	California, Proposition 65	—				REV5.1
3488	68603-42-9	Coconut oil diethanolamine condensate (cocamide diethanolamine		M	—	California, Proposition 65					REV5.11
3489	693-98-1	2-Methylimidazol		M	—	California, Proposition 65					REV5.11
3490	881685-58-1	Isopyrazam		M	—	California, Proposition 65					REV5.11
3491	14047-09-7	Isopyrazam		M	—	California, Proposition 65					REV5.11