

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
1	56-23-5	Carbon tetrachloride (Tetrachloromethane)	CCl4 (CTC)	P	0.0	Law Concerning the Protection of the Ozone Layer through the Regulation of Specified Substances and Other Measures Japan.	REV5.1
2	56-35-9	Ttributyl Tin Oxide (TBTO) *4		P	0.0	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1	REV5.1
3	92-87-5 others	Benzidine and salt Benzidine and derivatives		P	0.0	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1 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 greater than 0,1 % by weight.)	REV5.1
4	92-67-1 others	4-aminodiphenyl and salt Biphenyl-4-amine		P	0.0	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1 EU REACH Regulations Annex XVII (Restricted the usage and applications. EU REACH Regulations SVHC	REV5.20
5	1332-21-4	Asbestos *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
6	12001-28-4	Crocidolite *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
7	12172-73-5	Amosite *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
8	77536-67-5	Anthophyllite *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
9	77536-66-4	Actinolite *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
10	12001-29-5	Tremolite *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
11	132207-32-0	Chrysotile *4		P	0.1wt %	Added intentionally shall be prohibited.	REV5.1
12	92-93-3 others	4-Nitrodiphenyl and salt		P	0.0	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17) 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 greater than 0,1 % by weight.)	REV5.1
13	91-59-8 others	b-naphthylamine and salt 2-naphthylamine		P	0.0	Occupational Health and Safety Law Japan/ Substances that are restricted the production (Article 56, 17) 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 greater than 0,1 % by weight.)	REV5.1

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
14	7439-92-1 others	Lead and compounds *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1
15	7439-97-6 others	Mercury and compounds *1*2*4		P	0.1wt %	<b>the Minamata Convention on Mercury Pollution Control Act on Mercury Japan</b> EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.50
16	62-38-4	Phenylmercuric acetate		P	0.01 w %	<b>the Minamata Convention on Mercury Pollution Control Act on Mercury Japan</b> EU REACH Regulations Annex XVII (restricted the usage and applications ) Articles or any parts thereof containing one or more of these substances shall not be placed on the market after 10 October 2017 if the concentration of mercury in the articles or any part thereof is equal to or greater than 0.01 % by weight	REV5.50
17	103-27-5	Mercury, phenyl(propanoato-O)-	Phenylmercury propionate	P	0.01 w %	EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive	REV5.50
18	13302-00-6	Mercury, (2-ethylhexanoato-O)phenyl-	Phenylmercury 2-ethylhexanoate	P	0.01 w %	EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive	REV5.50
19	13864-38-5	Phenylmercury octanoate		P	0.01 w %	The Toxics in Packaging Clearinghouse (TPCH) US	REV5.50
20	26545-49-3	Mercury, (neodecanoato-O)phenyl-	Phenylmercury neodecanoate	P	0.01 w %		REV5.50

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
21	7440-43-9 others	Cadmium and compounds *1*2*4		P	0.01wt t%	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 applications ) EU REACH Regulations SVHC	REV5.21
22	1306-19-0	Cadmium oxide		P	0.01w %	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU REACH Regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.21
23	18540-29-9 others	Hexavalent chrome and compounds *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
24	59536-65-1	Polybrominated biphenyls (PBB) *4	Hexabromodiphenyl	P	0.0	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1 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 contact with the skin. RoHS Directive	REV5.40
25	61788-33-8	Polychlorinated terphenyl (PCTs)		P	0.0	Rotterdam Convention (PIC) / Substances described in Annex III	REV5.1
26	75-01-4	Vinyl chloride		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.1
27	126-72-7	Tris (2, 3-dibromopropyl) phosphate		P	0.0	Rotterdam Convention (PIC) / Substances described in Annex III	REV5.1
28	71-43-2	Benzene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.20
29	<del>5455-55-1</del> 545-55-1	Tris-aziridinyl phosphin oxide		P	0.0	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.21

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
30	598-63-0	Lead carbonate *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US Added intentionally to paint shall be prohibited.	REV5.1
31	1319-46-6	Lead (II) carbonate *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH Regulations SVHC Added intentionally to paint shall be prohibited.	REV5.1
32	15739-80-7	Lead sulfate *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US Added intentionally to paint shall be prohibited.	REV5.20
33	7446-14-2	Lead (II) sulfate *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US Added intentionally to paint shall be prohibited.	REV5.1

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34	—	Arsenic compound		P	0.0wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.20
35	—	Organotin tin compound Except for the following three substances *4		P	0.0wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.12
36	—	Tri-substituted organostannic compounds *4		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.12
37	—	Dibutyltin (DBT) compounds *4		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.12
38	—	Diocetyl tin (DOT) compound *4		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some exemptions to the application by 2015.1.1	REV5.12
39	75113-37-0	Dioxastannaboretan e		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
40	683-18-1	Dibutyltin dichloride (DBT)		M	0.1w%	EU REACH Regulations SVHC	REV5.20
41	87-86-5 131-52-2	Pentachlorophenol, pentachlorophenol salt, and ester compound of pentachlorophenol		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
42	76253-60-6	Monomethyl-tetrachlorodiphenyl		P	0.0	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
43	—	Monomethyl-dichloro-diphenyl methane		P	0.0	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
44	99688-47-8	Monomethyl-dibromo-diphenyl methane		P	0.0	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
45	67-66-3	Chloroform		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Substance and compound for the general public	REV5.1
46	79-00-5	1,1,2-trichloroethane, Vinyl trichloride		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Substance and compound for the general public	REV5.1
47	79-34-5	1,1,2,2-tetrachloroethane		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Substance and compound for the general public	REV5.1



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48	75-35-4	1, 1-dichloroethane; vinylidene dichloride	1, 1-dichloroethane; vinylidene dichloride	M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Substance and compound for the general public	REV5.1
49	67-72-1	Hexachloroethane		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) The Production and processing of nonferrous metal	REV5.1
50	<del>85535-84-8</del>	<del>Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins *4)</del>		M	<del>0.1wt %</del>	removed because it has been removed from the table of the EU REACH Regulations Annex XVII (restricted the usage and applications ) Metal processing	REV5.21
51	—	Azo dyes		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Clothing, bedclothing, and leather goods	REV5.1
52	32536-52-0	Octabromodiphenyl ether (Octa-BDE)		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall be prohibited in a concentration equal to or greater than 0,1 %	REV5.1
53	25154-52-3	Nonylphenol		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall be prohibited in a concentration equal to or greater than 0,1 %	REV5.1

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54	—	Nonylphenoethoxylates		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall be prohibited in a concentration equal to or greater than 0,1 %	REV5.1
55	—	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 isomers or a combination thereof		M	0.1 w%	EU REACH Regulations SVHC	REV5.20
56	—	4-Nonylphenol, branched and linear, ethoxylated <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</i>		M	0.1 w%	EU REACH Regulations SVHC	REV5.21

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
57	108-88-3	Toluene		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Substance and compound for the general public	REV5.1
58	120-82-1 12002-48-1	Trichlorobenzene		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications )	REV5.1
59	50-32-8	Benzo[a]pyrene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability <b>EU REACH Regulations SVHC</b>	<b>REV5.50</b>
60	192-97-2	Benzo[e]pyrene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
61	56-55-3	Benzo[a]anthracene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
62	218-01-9	Chrysene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1

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63	205-99-2	Benzo[b]fluoranthene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
64	205-82-3	Benzo[j]fluoranthene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
65	207-08-9	Benzo[k]fluoranthene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
66	53-70-3	Dibenzo[a,H]anthracene		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) There are some applications excluded from applicability	REV5.1
67	117-81-7	Bis (2-ethylhexyl) phthalate (DEHP) Di (2-ethylhexyl) phthalate		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art RoHS Directive	REV5.51

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
68	84-74-2 201-557-4	Dibutyl phthalate (DBP)、di-n-butyl phthalate		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art RoHS Directive	REV5.51
69	28553-12-0 68515-48-0	di-isononyl phthalate (DINP)		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art	REV5.1
70	84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and		M	0.1 w%	EU REACH Regulations SVHC	REV5.20
71	605-50-5	Diisopentylphthalate		M	0.1 w%	EU REACH Regulations SVHC	REV5.20
72	776297-69-9	N-pentyl-isopentylphthalate		M	0.1 w%	EU REACH Regulations SVHC	REV5.20
73	131-18-0	Dipentyl phthalate (DPP)	Amoil;amylphthalate; Amyl phthalate;DI-N-PHTHALATE;ai3-00363(usda);DIAMYL PHTHALATE;DI-N-AMYL PHTHALATE;di-1-pentylphthalate	M	0.1 w%	EU REACH Regulations SVHC	REV5.21
74	121-14-2	2,4-Dinitrotoluene		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1

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75	111-77-3	2- (2- Methoxyethoxy) ethanol (DEGME)		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Painting, cleaning agent equal to or greater than 0,1 % by weight.	REV5.1
76	112-34-5	2- (2- Butoxyethoxy) ethanol (DEGBE)		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight	REV5.1
77	26447-40-5	Diphenylmethane diisocyanate (MDI)		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) general usage equal to or greater than 0,1 % by weight.	REV5.1
78	101-68-8	methylenebis(4,1-phenylene) diisocyanate	(MD I)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications ) general usage equal to or greater than 0,1 % by weight.	REV5.21
79	5873-54-1	2,4' - Methylenediphenyl diisocyanate:	(MDI)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications ) general usage equal to or greater than 0,1 % by weight.	REV5.21
80	2536-05-2	2,2' - Methylenediphenyl diisocyanate:	(MDI)	P	0.1w%	EU REACH Regulations Annex XVII (restricted the usage and applications ) general usage equal to or greater than 0,1 % by weight.	REV5.21

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
81	79-06-1 201-173-7	Acrylamide		M	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be placed on the market or used as a substance or constituent of mixtures in a concentration, equal to or greater than 0,1 % by weight for grouting applications after 5 November 2012.'	REV5.1
82	101-77-9 202-974-4	4,4'-Diaminodiphenylmethane (MDA)、4,4'-methylenedianiline		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1
83	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1
84	120-12-7 204-371-1	Anthracene		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
85	292-602-7 90640-80-5	Anthracene oil		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
86	292-603-2 90640-81-6	Anthracene oil, anthracene paste		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
87	295-275-9 91995-15-2	Anthracene oil, anthracene paste, anthracene fraction		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
88	295-278-5 91995-17-4	Anthracene oil, anthracene paste, distn. lights		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
89	292-604-8 90640-82-7	Anthracene oil, anthracene-low		M	0.1wt %	EU REACH Regulations SVHC	REV5.1

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
90	85-68-7 201-622-7	Benzyl butyl phthalate (BBP)		M	0.1wt %	EU REACH Regulations Annex XIV (authorisations) EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art RoHS Directive	REV5.51
91	68515-49-1 26761-40-0	Di-isodecyl phthalate (DIDP)		M	0.1 w %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art	REV5.20
92	117-84-0	Di-n-octyl phthalate (DNOP)		M	0.1 w %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used as substances or as constituents of preparations, at concentrations higher than 0,1 % by mass of the plasticised material, in toys and childcare art	REV5.20
93	7646-79-9	Cobalt dichloride	CoCl2	M	0.1wt %	EU REACH Regulations SVHC	REV5.1
94	215-116-9 1303-28-2	Diarsenic pentaoxide		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1
95	215-481-4 1327-53-3	Diarsenic trioxide	ARSENIC TRIOXIDE, Arsenic (III) oxide , Arsenous oxide anhydride	P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1



Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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		Thres hold	Remark	revision
96	84-69-5 201-553-2	Diisobutyl phthalate (DIBP)		M	0.1wt %	EU REACH Regulations Annex XIV (authorisations) RoHS Directive	REV5.51
97	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	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1
98	231-846-0 7758-97-6	Lead chromate		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1
99	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	Lead chromate molybdate sulphate red/C.I.	P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1
100	7784-40-9	Lead hydrogen arsenate		P	0.0	Rotterdam Convention (PIC) / Substances described in Annex III	REV5.1
101	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1

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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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
102	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	REV5.20
103	12036-76-9	Lead oxide sulfate (Pb20 (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 Regulations SVHC	REV5.20
104	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 Regulations SVHC	REV5.20
105	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 Regulations SVHC	REV5.20

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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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\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
106	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 Regulations SVHC	REV5.20
107	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 Regulations SVHC	REV5.20
108	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 Regulations SVHC	REV5.20
109	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 Regulations SVHC	REV5.20

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
110	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 Regulations SVHC	REV5.20
111	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 Regulations SVHC	REV5.20
112	8012-00-8	Pyrochlore, antimony lead yellow		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	REV5.20
113	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 Regulations SVHC	REV5.20

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

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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.

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
114	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 Regulations SVHC	REV5.20
115	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 Regulations SVHC	REV5.20
116	68784-75-8	Silicic acid, barium salt, lead-doped		M	0.1w%	EU REACH Regulations SVHC	REV5.20
117	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 Regulations SVHC	REV5.20

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
118	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 Regulations SVHC	REV5.20
119	78-00-2	Tetraethyl lead		P	0.0w%	Rotterdam Convention (PIC) / Substances described in Annex III	REV5.20
120	12202-17-4	Lead oxide sulfate (Pb403 (S04))		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	REV5.20
121	12141-20-7	Lead oxide phosphonate (Pb302 (HP03))		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 SVHC	REV5.20
122	65996-93-2	Pitch, coal tar, high temp.		M	0.1wt %	EU REACH Regulations SVHC	REV5.1

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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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
123	234-190-3 10588-01-9	Sodium dichromate		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1
124	427-700-2 15606-95-8	Triethyl arsenate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
125	115-96-8 204-118-5	Tris (2-chloroethyl) phosphate		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.1
126	79-01-6 201-167-4	Trichloroethylene		P	0.0	EU REACH Regulations Annex XIV (authorisations)	REV5.21
127	233-139-2 234-343-4 10043-35-3 11113-50-1	Boric acid		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
128	215-540-4 1303-96-4 1330-43-4 12179-04-3	Disodium tetraborate, anhydrous		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
129	235-541-3 12267-73-1	Tetraboron disodium heptaoxide, hydrate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
130	232-140-5 7789-00-6	Potassium chromate *1*2*4		P	0.0	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 applications ) Cement, packaging, etc.more than 0,0002 % of the total dry weight EU REACH Regulations Annex XIV (authorisations)	REV5.21

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
131	231-889-5 7775-11-3	Sodium chromate *1*2*4		P	0.0	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 applications ) Cement, packaging, etc.more than 0,0002 % of the total dry weight EU REACH Regulations Annex XIV (authorisations)	REV5.21
132	232-143-1 7789-09-5	Ammonium dichromate *1*2*4		P	0.0	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 applications ) Cement, packaging, etc.more than 0,0002 % of the total dry weight EU REACH Regulations Annex XIV (authorisations)	REV5.21



Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

\*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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
133	7778-50-9	Potassium dichromate *1*2*4		P	0.0	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 applications ) Cement, packaging, etc.more than 0,0002 % of the total dry weight EU REACH Regulations Annex XIV (authorisations)	REV5.21
134	10124-43-3	Cobalt (II) sulphate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
135	10141-05-6	Cobalt (II) dinitrate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
136	513-79-1	Cobalt (II) carbonate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
137	71-48-7	Cobalt (II) diacetate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
138	109-86-4	2-Methoxyethanol, ethylene glycol monomethyl ether		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
139	110-80-5	2-Ethoxyethanol, ethylene glycol monoethyl ether		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
140	1333-82-0	Chromium trioxide *1*2*4	Chromic acidanhydride	P	0.0	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH Regulations Annex XIV (authorisations)	REV5.21

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

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\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
141	7738-94-5 13530-68-2 --	Acids generated from chromium trioxide and their oligomers Group containing:Chromic acid Group containing:Dichromic acid Oligomers of chromic acid and dichromic acid *1*2*4		P	0.0	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US EU REACH Regulations Annex XIV (authorisations)	REV5.21
142	111-15-9	2-ethoxyethyl acetate; ethylene glycol monoethyl ether acetate	ethylene glycol monoethyl ether acetate	M	0.1wt %	EU REACH Regulations SVHC	REV5.1
143	7789-6-2	Strontium chromate *1*2*4		P	0.1wt %	Yanmar voluntary regulation EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.1
144	68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
145	302-01-2 7803-57-8	Hydrazine		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
146	872-50-4	1-methyl-2-pyrrolidone, N-Methylpyrrolidone	N-Methylpyrrolidone	M	0.1wt %	EU REACH Regulations SVHC	REV5.1
147	96-18-4	1,2,3-trichloropropane		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
148	71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)		M	0.1wt %	EU REACH Regulations SVHC	REV5.1

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\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
149	24613-89-6	Chromium III chromate; chromic chromate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
150	11103-86-9	potassium hydroxyoctaoxidizincatedichromate (1- )		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
151	49663-84-5	pentazine chromate octahydroxide		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
152	650-017-00-8	CERAMIC FIBRES (ALUMINOSILICATE)		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
153	650-017-00-8	Aluminosilicate Refractory Ceramic Fibres		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
154	25214-70-4	Formaldehyde, polymer with benzenamine		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
155	117-82-8	Bis (2-methoxyethyl) phthalate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
156	90-04-0	o-Anisidine		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
157	140-66-9	4-tert-Octylphenol		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
158	—	4- (1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues		M	0.1wt %	EU REACH Regulations SVHC	REV5.20
159	107-06-2	Ethylene dichloride (1,2-Dichloroethane)		P	0.0	Rotterdam Convention (PIC) / Substances described in Annex III EU REACH Regulations SVHC	REV5.1
160	111-96-6	2-Methoxyethyl ether	DEDM;glyme2;DIGLYME;Glyme-2;DIYGLME;'DIGLYME';Poly-Solv;Catafor MS;Dricoid 200;Dariloid 100	M	0.1wt %	EU REACH Regulations SVHC	REV5.1

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
161	7778-39-4	Arsenic acid		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
162	7778-44-1	Calcium arsenate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
163	3687-31-8	Lead arsenate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
164	127-19-5	N,N-dimethylacetamide		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
165	101-14-4	3,3'-dichloro-4,4'-diaminodiphenylmethane	4,4'-Methylene bis (2-chloroaniline) MOCA;DACPM;ld813;MBOCA;CL-MDA;LD813;MOCA-A;bisamine;curalin m;Cyanaset	M	0.1wt %	EU REACH Regulations SVHC	REV5.1
166	77-09-8	Phenolphthalein	Lilo;colax;laxin;Purga;CI 764;Agoral;Ex-Lax;Koprol;Prulet;Purgen	M	0.1wt %	EU REACH Regulations SVHC	REV5.1
167	13424-46-9	Lead azide		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
168	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi (formamide))		M	0.1w%	EU REACH Regulations SVHC	REV5.20
169	15245-44-0	1,3-Benzenediol, 2,4,6-trinitro-, lead salt		M	0.1wt %	EU REACH Regulations SVHC	REV5.1
170	6477-64-1	Lead dipicrate		M	0.1wt %	EU REACH Regulations SVHC	REV5.1

Table A6. Hazardous Substances List of Yanmar investigated (The second half of 2016 fiscal year)

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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.

\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
171	624-49-7	Dimethyl fumarate *3		P	0.1wt %	EU REACH Regulations Annex XVII (restricted the usage and applications ) Shall not be used in articles or any parts thereof in concentrations greater than 0,1 mg/kg. Articles or any parts thereof containing DMF in concentrations greater than 0,1 mg/kg shall not be placed on the market.' It comes into effect to 2013/3/15.	REV5.11
172	548-62-9	[4-[4,4'-bis (dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride *3	(C.I. Basic Violet 3)	M	0.1wt %	Management substance for REACH with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.11
173	6786-83-0	$\alpha, \alpha$ -Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] *3		M	0.1wt %	Management substance for REACH with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.11
174	101-61-1	4,4'-Methylene bis (N,N-dimethyl) benzenamine *3	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	M	0.1wt %	EU REACH Regulations SVHC	REV5.11
175	59653-73-5 59653-74-6	1,3,5-tris (2,3-epoxypropyl) -1,3,5-triazine-2,4,6 (1H,3H,5H) -trione, 1,3,5-Triglycidyl-s-triazinetrione *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
176	1303-86-2	boron oxide *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11
177	112-49-2	1,2-bis (2-methoxyethoxy) ethane *3	(TEGDME; triglyme)	M	0.1wt %	EU REACH Regulations SVHC	REV5.11
178	561-41-1	4,4'-bis (dimethylamino) -4''-(methylamino) trityl alcohol *3		M	0.1wt %	Management substance for REACH with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.11
179	17570-76-2	Methanesulfonic acid, lead (2+) salt *1*2*3*4		M	0.1wt %	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive The Toxics in Packaging Clearinghouse (TPCH) US	REV5.11
180	75-12-7	Formamide *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11
181	2580-56-5	[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride *3	(C.I. Basic Blue 26)	M	0.1wt %	Management substance for REACH with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	REV5.11
182	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11
183	2451-62-9	1,3,5-Tris (oxiran-2-ylmethyl) -1,3,5-triazinane-2,4,6-trione (TGIC) *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11
184	90-94-8	Michler's ketone *3		M	0.1wt %	EU REACH Regulations SVHC	REV5.11

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
185	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, Octa, Deca) EU REACH Regulations SVHC	REV5.20
186	72629-94-8	PERFLUOROTRIDECANOIC ACID 97		M	0.1w%	EU REACH Regulations SVHC	REV5.20
187	307-55-1	Perfluorododecanoic acid		M	0.1w%	EU REACH Regulations SVHC	REV5.20
188	2058-94-8	Henicosafluoroundecanoic acid		M	0.1w%	EU REACH Regulations SVHC	REV5.20
189	376-06-7	PERFLUOROTETRADECANOIC ACID		M	0.1w%	EU REACH Regulations SVHC	REV5.20
190	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	REV5.20
191	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	REV5.20
192	625-45-6	Methoxy acetic acid		M	0.1w%	EU REACH Regulations SVHC	REV5.20
193	629-14-1	1,2-Diethoxyethane		M	0.1w%	EU REACH Regulations SVHC	REV5.20
194	68-12-2	N,N-dimethylformamide		M	0.1w%	EU REACH Regulations SVHC	REV5.20

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
195	110-00-9	furan		M	0.1w%	PRTR Law Japan/Class 1 of designated chemical substances EU REACH Regulations SVHC	REV5.20
196	75-56-9	methyl oxirane		M	0.1w%	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/prior evaluation Chemical Substance EU REACH Regulations SVHC	REV5.20
197	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	REV5.20
198	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	REV5.20
199	143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		M	0.1w%	EU REACH Regulations SVHC	REV5.20
200	88-85-7	Dinoseb, dinoseb salt and ester compound of dinoseb, 2-(1-methylpropyl)-4,6-dinitrophenol		P	0.0w%	Rotterdam Convention (PIC) / Substances described in Annex III	REV5.20
201	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 Solvent Poisoning	REV5.20



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\*4. Make the denominator of table A-B description material in the International Convention for Ship Recycl correspondence parts a homogeneous material. Report regardless of \*2 the exclusion usage.

	CAS	Substances	Synonyms		Thres hold	Remark	revision
202	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 Solvent Poisoning	REV5.20
203	60-09-3	4-Aminoazobenzene	4-Phenylazoaniline	M	0.1w%	EU REACH Regulations SVHC	REV5.20
204	95-80-7	2,4-Diaminotoluene	4-Methyl-m-phenylendiamine	M	0.1w%	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	REV5.20
205	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 Solvent Poisoning	REV5.20
206	97-56-3	o-Aminoazotoluene		M	—	EU REACH Regulations SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	REV5.20
207	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 evaluation Chemical Substance	REV5.20
208	79-16-3	N-methylacetamide		M	0.1w%	EU REACH Regulations SVHC	REV5.20

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
209	106-94-5	1-bromopropane		M	0.1w%	PRTR Law Japan/Class 1 of designated chemical substances EU REACH Regulations SVHC	REV5.20
210	7789-12-0	Sodium dichromate dihydrate		P	0.0	Yanmar voluntary regulation EU RoHS Directive EU ELV Directive EU Packaging and packaging waste Directive EU REACH Regulations Annex XIV (authorisations) The Toxics in Packaging Clearinghouse (TPCH) US	REV5.21
211	3825-26-1	PERFLUOROCTAN OIC ACID AMMONIUM SALT		M	0.1w%	EU REACH Regulation SVHC Occupational Health and Safety Law Japan/Ordinance on the Prevention of Organic Solvent Poisoning	REV5.21
212	335-67-1	PFOA - perfluorooctanoic acid		M	0.1w%	EU REACH Regulation SVHC Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Watch Substance	REV5.21
213	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 (TPCH) US EU REACH Regulations SVHC	REV5.30

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
214	573-58-0	C.I. Direct red 28		P	0.0 w% (Not content)	Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacturing, etc. Japan/Specified Chemical Substances, class 1 EU REACH Regulations SVHC	REV5.30
215	1937-37-7	Direct Black 38 (technical grade)		M	0.1w%	EU REACH Regulations SVHC California, Proposition 65	REV5.30
216	84-75-3	Di-n-hexyl phthalate (DnHP)		M	0.1w%	EU REACH Regulations SVHC California, Proposition 65	REV5.30
217	96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)	2-imidazolidinethione	M	0.1w%	EU REACH Regulations SVHC PRTR Law Japan/Class 1 of designated chemical substances	REV5.30
218	301-04-2	Lead di (acetate)	Lead acetate	M	0.1w%	EU REACH Regulations SVHC Poisonous and Deleterious Substances Control Law Japan	REV5.30
219	25155-23-1	TRIXYLYL PHOSPHATE	TXP;reofos95;ivvio 1-3;coalitentp;Durad 220X;phosflex179;Antiblaze 524;Antiblaze TXP;xylylphosphate ;Ncgc00090799-01	M	0.1w%	EU REACH Regulations SVHC	REV5.30
220	10108-64-2	Cadmium chloride		M	0.1w%	EU REACH Regulations SVHC	REV5.31
221	68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		M	0.1w%	EU REACH Regulations SVHC	REV5.31
222	7632-04-4	Sodium peroxometaborate		M	0.1w%	EU REACH Regulations SVHC	REV5.31

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
223		Sodium perborate; perboric acid, sodium salt		M	0.1w%	EU REACH Regulations SVHC	REV5.31
224	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	UV-328	M	0.1w%	EU REACH Regulations SVHC	REV5.31
225	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol	UV-320	M	0.1w%	EU REACH Regulations SVHC	REV5.31
226	15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	DOTE	M	0.1w%	EU REACH Regulations SVHC	REV5.31
227	7790-79-6	Cadmium fluoride		M	0.1w%	EU REACH Regulations SVHC	REV5.31
228	10124-36-4 / 31119-53-6	Cadmium sulphate		M	0.1w%	EU REACH Regulations SVHC	REV5.31
229		Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	reaction mass of DO TE and MO TE	M	0.1w%	EU REACH Regulations SVHC	REV5.31
230	68515-51-5, 68648-93-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with 0.3% of dihexyl phthalate (EC No. 201-559-5)		M	0.1w%	EU REACH Regulations SVHC	REV5.40

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
231		5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]		M	0.1w%	EU REACH Regulations SVHC	REV5.40
232	98-95-3	Nitrobenzene		M	0.1w%	EU REACH Regulations SVHC	REV5.40
233	3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol	UV-327	M	0.1w%	EU REACH Regulations SVHC	REV5.40
234	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol	UV-350	M	0.1w%	EU REACH Regulations SVHC	REV5.40
235	1120-71-4	1,3-propanesultone		M	0.1w%	EU REACH Regulations SVHC	REV5.40
236	375-95-1, 21049-39-8, 4149-60-4	Perfluorononan-1-oic acid and its sodium and ammonium salts	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts	M	0.1w%	EU REACH Regulations SVHC	REV5.40
237	91-20-3	Naphthalene		M	0.1w%	Occupational Health and Safety Law Japan	REV5.40
238	142844-00-6	Refractory ceramic fibres	aluminosilicate	M	0.1w%	<b>Yanmar voluntary regulation</b> Occupational Health and Safety Law Japan	<b>REV5.50</b>

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	CAS	Substances	Synonyms		Thres hold	Remark	revision
239	80-05-7	4,4' - isopropylidenediph enol	bisphenol A	M	0.1w%	EU REACH Regulations SVHC PRTR Law Japan/Class 1 of designated chemical substances	REV5.51
240	80-46-6	p-(1,1- dimethylpropyl)phen ol		M	0.1w%	EU REACH Regulations SVHC	REV5.51
241	335-76-2	Ammonium nonadecafluorodecan oate		M	0.1w%	EU REACH Regulations SVHC	REV5.51
242	3830-45-3	Decanoic acid, nonadecafluoro-, sodium salt		M	0.1w%	EU REACH Regulations SVHC	REV5.51
243	3108-42-7	Nonadecafluorodeca noic acid (PFDA)		M	0.1w%	EU REACH Regulations SVHC	REV5.51
244	-	4-heptylphenol, branched and linear		M	0.1w%	EU REACH Regulations SVHC	REV5.51