

**Regulated Substances List**

Date enacted: Aug. 20, 2007  
Date revised: Mar. 19, 20

Note 1: When the prohibited material contains 50% or more of the threshold, the proof material that doesn't exceed the threshold is demanded. And environmental safety manager determine the need of internal analysis.

Note 2: The chemical substance not published in this table with the substance that corresponds to the PRTR law, GADSL and REACH SVHC does the same management as "Managed substances". REACH SVHC is shown in another sheet of this file.

Note 3: They are completely observed when provided for the chemical substance not published in this table by the agreement, the law, the ordinance, and the industry indicator, etc.

Note 4: The chemical substance not published in this table might be treated as a use prohibited material limited according to the customer request for the customer.

Note 5: If the customer requirement threshold for environmentally hazardous substances is less than the threshold specified in this list, it will be dealt with individually.

No.	Name of substance	Chemical substance no.  CAS No.	Management category ○ : Relevant △ : Relevant at customer's request						Concentration and application limits	Remarks	
			Prohibited substances	Abolished substances	Deadline		Managed substances	Specific managed substances			Customer's requirement
					Year	Month					
1	Cadmium and its compounds	—	○	○				○	[Permissible concentration: under 5ppm] Plastic, ink, rubber and paint [Permissible concentration: under 20ppm] Solder [Permissible concentration: under 50ppm] Metal materials and other materials above [Permissible concentration: Total value for lead, cadmium, mercury and chrome (VI) is under 100ppm] Used for packaging Those excluded from the RoHS regulations shall be handled in accordance with the RoHS Directive.	Heavy metals, ELV Directive, RoHS2, REACH SVHC, PRTR(1-75)	
2	Lead and its compounds	—	○	○				○	[Permissible concentration: under 50ppm] Plastic, ink and other materials (Except packaging use, metal and ceramic) [Permissible concentration: Under 1000ppm, unintentional content] Metal, Ceramic [Permissible concentration: Total value for lead, cadmium, mercury and chrome (VI) is under 100ppm] Used for packaging Those excluded from the RoHS regulations shall be handled in accordance with the RoHS Directive. Leaded solder and its raw materials (plating, cream solder, etc.)	Heavy metals, ELV Directive, RoHS2, (1-304, 1-305)	
3	Mercury and its compounds	—	○	○				○	[Permissible concentration: Under 5ppm, unintentional content] For uses other than those excluded from the RoHS regulations. [Permissible concentration: Total value for lead, cadmium, mercury and chrome (VI) is under 100ppm] Used for packaging Those excluded from the RoHS regulations shall be handled in accordance with the RoHS Directive.	Heavy metals, ELV Directive, RoHS2, PRTR(1-237)	
4	Chrome (VI) compounds (hexavalent chromium compounds)	—	○	○				○	[Permissible concentration: under 500ppm] Except packaging use [Permissible concentration: Total value for lead, cadmium, mercury and chrome (VI) is under 100ppm] Used for packaging Those excluded from the RoHS regulations shall be handled in accordance with the RoHS Directive.	Safety and Health Law, Heavy metals, ELV Directive, RoHS2, PRTR(1-88)	
5	Polybrominated biphenyls(PBB)	—	○	○				○	[Permissible concentration: under 100ppm, unintentional content]	Organic brominated compounds, RoHS2, Chemical Substances Control Law	
6	Polybrominated diphenyl ethers(PBDE)	—	○	○				○	[Permissible concentration: under 100ppm, unintentional content]	Organic brominated compounds, RoHS2, Chemical Substances Control Law	
60-1)	DBP(Dibutyl phthalate)	84-74-2	○	○				○		REACH SVHC, Denmark Phthalate regulation, RoHS2, PRTR (1-354)	
60-2)	Di(2-ethylhexyl) phthalate	117-81-7	○	○				○	For primary product materials and packaging, substances of which use is prohibited (total content: 0.1wt% or less).	REACH SVHC, Denmark Phthalate regulation, RoHS2, PRTR (1-355)	
60-3)	BBP(Butyl benzyl phthalate)	85-68-7	○	○				○	For subsidiary materials, management substances.	REACH SVHC, Denmark Phthalate regulation, RoHS2, PRTR (1-356)	
60-9)	Diisobutyl phthalate	84-69-5	○	○				○		REACH SVHC, Denmark Phthalate regulation, RoHS2	
7	Polychlorinated biphenyls(PCBs) and specific substitutes	1336-36-3	○	○				○	[Non-detect (<0.1ppm)]	Organic chloride compounds, Chemical Substances Control Law, PRTR(1-406)	
		76253-60-6	○	○				○	[Intentional use prohibited]	REACH Annex X VII	
		81161-70-8 99688-47-8	○	○							
8	Polychlorinated naphthalenes (PCN, with 1 chlorine or more)	—	○	○				○	[Permissible concentration: under 5ppm, unintentional content] lubricating oil, paint	Chlorinated organic compounds, Chemical Substances Control Law (with 2 chlorine or more)	
9	Chlorinated paraffins (CP) (Short chain chlorinated paraffin with carbon chain length of 10-13 and chlorine content of 50wt% or more) (Medium chain chlorinated paraffins, C14-C17)	85535-85-9	○	○				○	[Permissible concentration: under 300ppm, unintentional content]	Organic chloride compounds, REACH SVHC	
10	Mirex	2385-85-5	○	○				○	For flame retardant, insecticide, antimold agents and all such uses	Organic chloride compounds, Chemical Substances Control Law	
11	Tetrabromobisphenol A (TBBP-A)	79-94-7	○	○				○	[Permissible concentration: under 1000ppm, unintentional content]	Brominated flame retardant, The polymer is assumed to be "Other Organic brominated compounds".	
12	Other chlorinated organic compounds (halogen-free-related substances) (Including chlorinated flame retardant) Triclosan α-hexachlorocyclohexane, β-hexachlorocyclohexane, γ-hexachlorocyclohexane(Lindane) Chlordecone	—	○	○				○	For separate items required to be halogen-free (900ppm max Cl, 900ppm max Br, 1500ppm max Cl+Br) Other	Organic chloride compounds	
		3380-34-5	○	○				○		Antiseptic	
		—	○	○					○	BHC, Pesticide, Chemical Substances Control Law	
		143-50-0	○	○					○	Pesticide, Chemical Substances Control Law	
13	Inorganic chlorinated substances (halogen-free-related substances)	—	○	○				○	For separate items required to be halogen-free (900ppm max Cl, 900ppm max Br, 1500ppm max Cl+Br) Other	Inorganic chloride substances	
14	Hexabromocyclododecane(HBCDD) and all major diastereoisomers	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	○	○				○	[Intentional use prohibited]	Brominated flame retardant, Chemical Substances Control Law, REACH SVHC 134237-50-6,134237-51-7,134237-52-8	
15	Other brominated organic compounds (halogen-free-related substances) (Including brominated flame retardant)	—	○	○				○	For separate items required to be halogen-free (900ppm max Cl, 900ppm max Br, 1500ppm max Cl+Br) Other	Organic brominated compounds	
16	Inorganic brominated substances (halogen-free-related substances)	—	○	○				○	For separate items required to be halogen-free (900ppm max Cl, 900ppm max Br, 1500ppm max Cl+Br) Other	Organic brominated compounds	
17	Tributyl tin oxide(TBTO)	56-35-9	○	○				○		Chemical Substances Control Law, REACH SVHC	
18	Tributyl, triphenyl tin compounds	—	○	○				○		Chemical Substances Control Law	
19	Dibutyltin (DBT) compounds	—	○	○				○	[Permissible concentration: under 1000ppm (the tin)]		
20	Diocetyl tin (DOT) compounds	—	○	○				○	[Permissible concentration: under 1000ppm, unintentional content (the tin)] All uses listed below are prohibited. •Textile articles intended to come into contact with skin •Wall and floor coverings •Two-component room temperature vulcanization molding kits (RTV-2 molding kits)		
21	Dichlorobenzene and its salts	—	○	○				○		Safety and Health Law	
22	α-naphthylamine and its salts	—	○	○				○		Safety and Health Law	
23	o-tolidine and its salts	—	○	○				○		Safety and Health Law, PRTR(1-231)	
24	Asbestos	—	○	○				○		Safety and Health Law, PRTR(1-33)	
25	Dianisidine and its salts	—	○	○				○		Safety and Health Law	
26	Beryllium and its compounds	—	○	○				○	[Permissible concentration: under 1000ppm]	Safety and Health Law, PRTR(1-394)	
27	Beryllium oxide	1304-56-9	○	○				○		PRTR (1-394)	
28	Benzotrithloride	98-07-7	○	○				○		Safety and Health Law, PRTR(1-397)	
29	Ethyleneimine	151-56-4	○	○				○		Safety and Health Law, PRTR(1-54)	
30	Vinyl chloride (monomers)	75-01-4	○	○				○		Safety and Health Law, PRTR(1-94)	
31	Auramine	2465-27-2	○	○				○		Safety and Health Law	
32	Chloromethyl methyl ether	107-30-2	○	○				○		Safety and Health Law	
33	Benzene	71-43-2	○	○				○		Safety and Health Law, PRTR(1-400)	
34	3,3'-dichloro-4,4'-diamino diphenyl methane	101-14-4	○	○				○		Safety and Health Law, PRTR(1-160), REACH SVHC	
35	Nickel carbonyl	13463-39-3	○	○				○		Safety and Health Law	
36	β-propiolactone	57-57-8	○	○				○		Safety and Health Law	
37	p-dimethylaminoazobenzene	60-11-7	○	○				○		Safety and Health Law	
38	Magenta	632-99-5	○	○				○		Safety and Health Law	
39	Coal tar	—	○	○				○		Safety and Health Law	

No.	Name of substance	Chemical substance no. CAS No.	Management category						Concentration and application limits	Remarks
			Prohibited substances		Abolished substances		Managed substances			
			○	△	○	△	○	△		
									<b>Prohibited substances:</b> Substances that are prohibited to purchase, carry in, use and contain in the product <b>Abolished substances:</b> Substances that need to be abolished by a defined period of time <b>Managed substances:</b> Substances that need management of the consumption *1: Safety and Health Law "Specified Chemical Substance trouble prevention rule", "○" = Special management substance(23) *2: "○" = It is an agreed substance as for the customer requirement. *3: "○" = Substance name, usage, concentration should be reported.	
40	Azo compounds and aromatic amines*1	—	○						Part in contact with the human body of a product made for sustained human contact that has azo pigments that can generate the specific amines on the separate table when decomposed [Permissible concentration: total content, under 30ppm]	EU Directive (76/769/EEC)
41	Polyvinyl chloride (PVC) and its blends	—	○						Target: Primary materials and Packaging materials Related to Secondary materials	
42	Ozone depleting substances (ODS) Chlorofluorocarbon (CFC) Hydrochlorofluorocarbon (HCFC) 1,1,1-trichloromethane (methyl chloroform) Methyl bromide Carbon tetrachloride	— — 71-55-6 74-83-9 56-23-5	○ ○ ○ ○ ○						Used at time of manufacture	Ozone depleting substances PRTR(1-185) PRTR(1-279) PRTR(1-386) PRTR(1-149)
43	Fluorinated greenhouse gases(HFC,PFC,SF6)	—	○						Used at time of manufacture (the refrigerative usage is excluded.)	
44	Organochlorine solvents 1,1,2-trichloroethane 1,2-dichloroethane 1,1-dichloroethylene 1,2-dichloroethylene Chloromethylene Chloroform Trichloroethylene Tetrachloroethylene Pentachloroethylene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	79-00-5 107-06-2 75-35-4 540-59-0 75-09-2 67-66-3 79-01-6 127-18-4 76-01-7 630-20-6 79-34-5	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○						Used at time of manufacture	Chlorine organic solvents PRTR(1-280) PRTR(1-157), REACH SVHC PRTR(1-158) PRTR(1-186) PRTR(1-127), REACH SVHC PRTR(1-281) PRTR(1-262)
45	Halogenated diphenylmethane Monomethyl tetrachlorodiphenylmethane Monomethyl dichlorodiphenylmethane Monomethyl dibromodiphenylmethane	76253-60-6 81161-70-8 99688-47-8	○ ○ ○ ○							
46	Antimony and its compounds (halogen-free-related substances)	—	○						For separate items required to be halogen-free(Sb:700ppm or less) Other	PRTR(1-31)
47	Polychlorinated terphenyls (PCT)	—	○						[Permissible concentration: under 5ppm]	
48	Polybrominated terphenyls (PBT)	—	○						[Permissible concentration: under 1000ppm]	
49	Pentachlorophenol	—	○							Chemical Substances Control Law, PRTR(1-404)
50	Fluoroacetic acid	—	○							
51	Organic phosphorous compounds *2	—	○							
52	Hexachlorobenzene	118-74-1	○							Chemical Substances Control Law
53	Yellow phosphorous	12185-10-3, 7723-14-0	○							
54	Red phosphorous	7723-14-0	○						For separate items required to be halogen-free(1000ppm or less)	
55	2,4,6-tri-tert-butylphenol	732-26-3	○							Chemical Substances Control Law
56	4-nitrodiphenyl and its salts	—	○							
57	Octamethyl pyrophosphoramidate	152-16-9	○							
58	Bis(chloromethyl)ether	542-88-1	○							
59	Aluminum phosphate	20859-73-8	○							PRTR(1-456)
60	Phthalates *3	—	○							
61	Radioactive substances	—	○							
62	Bismuth and its compounds	—	○							
63	Nickel and its compounds	—	○						Parts with direct and prolonged skin contact powdery	PRTR(1-308, 1-309)
64	Selenium and its compounds	—	○							PRTR(1-242)
65	Magnesium	7439-95-4	○							
66	Copper and its compounds	—	○							PRTR(1-272)
67	Gold and its compounds	—	○							
68	Palladium and its compounds	—	○							
69	Silver and its compounds	—	○							PRTR(1-82)
70	Dioxins	—	○							PRTR(1-243)
71	Cyan compounds (Nitriles are excluded.)	—	○							Uses for gold plating uses are outside the scope of application (managed substances)
72	Formaldehyde (formalin)	50-00-0	○						Target: Primary materials[Permissible concentration: under 300ppm]	Safety and Health Law, Radiation-emitting regulated substances
73	Chromium compounds (other than hexavalent chromium and metal chrome)	—	○							
74	Boron and its compounds	—	○							PRTR(1-405)
75	Cobalt and its compounds (cobalt sulfate)	—	○							PRTR(1-132)
76	Tellurium and its compounds	—	○							
77	Thallium and its compounds	—	○							
78	Vanadium and its compounds	—	○							PRTR(1-321)
79	Barium and its compounds	—	○							
80	Manganese and its compounds (potassium permanganate)	—	○							PRTR(1-412)
81	Molybdenum and its compounds	—	○							PRTR(1-453)
82	Zinc and its compounds (water soluble)	—	○							PRTR(1-1)
83	Lithium and its compounds	—	○							
84	Xylene	1330-20-7	○							PRTR(1-80)
85	Toluene	108-88-3	○							PRTR(1-300)
86	Phenol (monomers)	108-95-2	○							PRTR(1-349)
87	Arsenic and its compounds (arsenic)	—	○						[Permissible concentration: under 50ppm] (All materials except semiconductor, LED and metal) [Permissible concentration: under 1000ppm] (Metal alloys) [Permissible concentration: under 2ppm] (for preservation of wood products) for semiconductor, LED use	Safety and Health Law, PRTR(1-322)
88	PFOS(Perfluorooctane Sulfonate) and its salts PFOSF (Perfluorooctane sulfonyl fluoride)	— 307-35-7	○ ○						[Permissible concentration] under 10ppm, Unintentional content Parts under 1µg/m2 Textiles, Coated products	EU Directive (76/769/EEC), PRTR(1-396), Chemical Substances Control Law Chemical Substances Control Law
89	PFOA(Perfluorooctanoic acid) and individual salts and PFOA-related substances	—	○						[Permissible concentration] Unintentional content ·PFOA and its salts : under 25ppb ·Combination of one or multiple PFOA-related substances : under 1000ppb(1ppm)	EU Directive (76/769/EEC), REACH Annex X VII
90	Hexachloro-1,3-butadiene	87-68-3	○							Chemical Substances Control Law
91	2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-Phenol	3846-71-7	○							Chemical Substances Control Law, REACH SVHC
92	Crude rubber	—	○						Target: Primary materials (Intentional use prohibited)	
93	Sodium azide	26628-22-8	○							PRTR(1-11)
94	Cobalt(II) chloride	7646-79-9	○						[Permissible concentration: under 1000ppm] Humidity indicator used for desiccant (silicagel etc.) (Intentional use prohibited) Humidity indicator (The one that cobalt chloride was soaked into paper etc.) [Permissible concentration: under 1000ppm] (article)	REACH SVHC Prohibited for some customers, by 2011 April 1
95	Perchlorates	7791-03-9,7601-89-0,7778-74-7,7790-98-9,10034-81-8	○						[Permissible concentration: total content, under 0.1ppm Parts]	USA California State Law
96	2-Methoxyethanol	109-86-4	○						[Permissible concentration: under 1000ppm]	GADSL classification P, PRTR(1-58), REACH SVHC
97	N-Nitrosodimethylamine	62-75-9	○							GADSL classification P
98	Pentachlorobenzene	608-93-5	○							GADSL classification P, Chemical Substances Control Law

No.	Name of substance	Chemical substance no.  CAS No.	Management category ○ : Relevant △ : Relevant at customer's request						Concentration and application limits	Remarks
			Prohibited substances	Abolished substances	Deadline Year Month	Managed substances *3	Specific managed substances *1	Customer's requirement *2		
99	Tetrachlorobenzene	12408-10-5, 84713-12-2, 634-66-2, 634-90-2,95-94-3	○							GADSL classification P
100	PAHs (polycyclic aromatic hydrocarbons) *4	—	○						Target: Skin-contact use	German equipment and product safety law
101	Dimethylfumarate	624-49-7	○						[Permissible concentration: under 0.1ppm, unintentional content]	2009/251/EC (Decision of committee)
102	Bisphenol A	80-05-7	○						[Permissible concentration: under 50ppm]	PRTR (1-37)
103	N,N'-Ditolyl-p-phenylenediamine	27417-40-9	○							Chemical Substances Control Law
104	Ethanolamine	141-43-5					○			PRTR (1-20)
105	Ferric chloride	7705-08-0					○			PRTR (1-71)
106	1,4-Dioxane	123-91-1					○			PRTR (1-150)
107	N,N-Dimethylformamide	68-12-2	○						[Permissible concentration: under 1000ppm]	PRTR (1-232), REACH SVHC
108	Hydroquinone	123-31-9					○			PRTR (1-336)
109	n-Hexane	110-54-3	○						Used at time of manufacture	PRTR (1-392)
110	Water-soluble salts of peroxodisulfuric acid	—					○			PRTR (1-395)
111	Tantalum	7440-25-7					○			Ammonium persulfate, Sodium persulfate, other rare metal
112	Gallium	7440-55-3					○			rare metal
113	Nonylphenol, Nonylphenol ethoxylates	—	○						[Intentional use prohibited]	PRTR (1-320), REACH Annex X VII
114	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)	68921-45-9	○						Target: Primary materials [Permissible concentration: under 0.1wt%]	GADSL classification D/P Antioxidant
115	Organic silicon compounds	—	○						Target: Primary materials for HDD Production (Banned)	(Siloxanes etc.)
116	Talc	—					○		Target: Except for the above description	
117	Methyl-phenol compounds	95-48-7, 106-44-5, 108-39-4, 1319-77-3	○						[Permissible concentration: Total content under 10ppm]	Canadian Environmental Protection Act, 1999
118	REACH Candidate List of SVHCs		○						[Permissible concentration: under 1000ppm] Applies to all materials unless preapproved by MEKTEC	Refer to Appendix 3. annex 1
119	Bisphenol F, Bisphenol S	620-92-8, 2467-02-9, 1333-16-0, 80-09-1					○		100ppm	
120	n-Propyl Bromide (nPB)	106-94-5					○		100ppm	
121	Aminoethyl ethanolamine	111-41-1					○			
122	Indium Phosphide	22398-80-7					○			
123	Per- and Polyfluoroalkyl Substances (PFAS)	—					○			Substances that contain one or more perfluoroalkyl moieties, -CnF2n+1

\*1 Azo compounds and aromatic amines : EU Directive (76/769/EEC) 19th Amendment

No.	Azo compounds and aromatic amines No.40	CAS No.	P	A	y	m	M	SM	C	Remarks
40-1)	4-Aminoazobenzene	60-09-3	○						○	REACH SVHC
40-2)	o-Anisidine	90-04-0	○						○	REACH SVHC, PRTR (1-17)
40-3)	2-Naphthylamine	91-59-8	○						○	
40-4)	3,3'-Dichlorobenzidine	91-94-1	○						○	PRTR (1-180)
40-5)	Biphenyl-4-ylamine	92-67-1	○						○	REACH SVHC
40-6)	Benzidine	92-87-5	○						○	
40-7)	o-Toluidine	95-53-4	○						○	REACH SVHC, PRTR (1-299)
40-8)	4-Chloro-o-toluidine	95-69-2	○						○	
40-9)	2,4-Toluenediamine	95-80-7	○						○	REACH SVHC
40-10)	o-Aminoazotoluene	97-56-3	○						○	REACH SVHC
40-11)	5-Nitro-o-toluidine	99-55-8	○						○	
40-12)	3,3'-Dichloro-4,4'-diaminodiphenylmethane	101-14-4	○					○	○	Part in contact with the human body of a product made for sustained human contact that has azo pigments that can generate the specific amines on the separate table when decomposed [Permissible concentration: total content, under 30ppm]
40-13)	4,4'-Methylenedianiline	101-77-9	○						○	REACH SVHC, PRTR (1-160)
40-14)	4,4'-Diaminodiphenylether	101-80-4	○						○	REACH SVHC, PRTR (1-446)
40-15)	p-Chloroaniline	106-47-8	○						○	REACH SVHC, PRTR (1-143)
40-16)	3,3'-Dimethoxybenzidine	119-90-4	○						○	PRTR (1-89)
40-17)	3,3'-Dimethylbenzidine	119-93-7	○						○	PRTR (1-231)
40-18)	2-Methoxy-5-methylaniline	120-71-8	○						○	REACH SVHC, PRTR (1-451)
40-19)	2,4,5-Trimethylaniline	137-17-7	○						○	
40-20)	4,4'-Thiodianiline	139-65-1	○						○	
40-21)	4-Methoxy-m-phenylenediamine	615-05-4	○						○	PRTR (1-142)
40-22)	4,4'-Methylenedi-o-toluidine	838-88-0	○						○	REACH SVHC
40-23)	2,4-Dimethylaniline	95-68-1	○						○	PRTR (1-214)
40-24)	2,6-Dimethylaniline	87-62-7	○						○	PRTR (1-215)

\*2 Organic phosphorous compounds

No.	Organic phosphorous compounds No.51	CAS No.	P	A	y	m	M	SM	C	Remarks
51-1)	Diethyl paranitrophenyl thiophosphate	56-38-2	○						○	[Intentional use prohibited]
51-2)	Diethyl (diethyl amide-1-chlorocrotonyl) phosphate	13171-21-6	○						○	[Intentional use prohibited]
51-3)	Dimethylethylmercapto ethylthiophosphate	8022-00-2	○						○	[Intentional use prohibited]
51-4)	Diethyl paranitrophenyl thiophosphate	298-00-0	○						○	[Intentional use prohibited]
51-5)	O-ethyl =O-4-nitrophenyl=phenyl phosphorothioate	2104-64-5	○						○	[Intentional use prohibited]
51-6)	Tetraethyl pyrophosphate	107-49-3	○						○	[Intentional use prohibited]
51-7)	Tris (2,3-dibromopropyl) phosphate	126-72-7	○						○	[Intentional use prohibited]
51-8)	Tris (1-aziridinyl) phosphineoxide	545-55-1	○						○	[Intentional use prohibited]
51-9)	Ammonium polyphosphate	68333-79-9	○						○	[Permissible concentration: 1000ppm or less]
51-10)	Tris(2-butoxyethyl) phosphate	78-51-3	○						○	[Permissible concentration: 1000ppm or less]
51-11)	Triphenyl phosphate	115-86-6	○						○	[Permissible concentration: 1000ppm or less]
51-12)	Dimethyl methylphosphonate	756-79-6	○						○	[Permissible concentration: 1000ppm or less]
51-13)	Diethyl ethylphosphonate	78-38-6	○						○	[Permissible concentration: 1000ppm or less]
51-14)	Resorcinol bis(diphenyl phosphate)	57583-54-7	○						○	[Permissible concentration: 1000ppm or less]
51-15)	Cyclic phosphonate ester	61840-22-0	○						○	[Permissible concentration: 1000ppm or less]
51-16)	[[Bis (2-hydroxyethyl) amino] methyl]- diethyl ester	2781-11-5	○						○	[Permissible concentration: 1000ppm or less]
51-17)	Diphenyl cresyl phosphate	26444-49-5	○						○	[Permissible concentration: 1000ppm or less]
51-18)	Octyldiphenyl phosphate	115-88-8	○						○	[Permissible concentration: 1000ppm or less]
51-19)	Tris(2-ethylhexyl)phosphate	78-42-2	○						○	[Permissible concentration: 1000ppm or less]
51-20)	Trioctyl phosphate	1806-54-8	○						○	[Permissible concentration: 1000ppm or less]
51-21)	Triethyl phosphate	78-40-0	○						○	[Permissible concentration: 1000ppm or less]
51-22)	Tris(2-chloroethyl) Phosphate (TCEP)	115-96-8	○						○	[Permissible concentration: 1000ppm or less, unintentional content]
51-23)	Tris(2-chloro-1-methylethyl) phosphate [TCPP]	13674-84-5	○						○	[Permissible concentration: 1000ppm or less, unintentional content]
51-24)	Tris(1,3-dichloro-2-propyl) phosphate [TDCPP]	13674-87-8	○						○	[Permissible concentration: 1000ppm or less, unintentional content]
51-25)	Other organic phosphorus compound (Including other Additive Phosphorous Flame	-							○	○

\*3 Phthalates

No.	Phthalates No.60	CAS No.	P	A	y	m	M	SM	C	Remarks
60-1)	Dibutyl phthalate	84-74-2	○						○	REACH SVHC, RoHS2, PRTR (1-354) Denmark Phthalate regulation
60-2)	Di(2-ethylhexyl) phthalate	117-81-7	○						○	REACH SVHC, RoHS2, PRTR (1-355) Denmark Phthalate regulation
60-3)	Butyl benzyl phthalate	85-68-7	○						○	REACH SVHC, RoHS2, PRTR (1-356) Denmark Phthalate regulation
60-4)	Diisononyl phthalate	28553-12-0, 68515-48-0	○						○	
60-5)	Diisodecyl phthalate	26761-40-0, 68515-49-1	○						○	

No.	Name of substance	Chemical substance no.  CAS No.	Management category						Concentration and application limits	Remarks
			○ : Relevant △ : Relevant at customer's request							
			Prohibited substances	Abolished substances		Managed substances	Specific managed substances	Customer's requirement		
Year	Month	Deadline								
60-6)	Di-n-octyl phthalate	117-84-0	○							
60-7)	Dibutyl phthalate (2-methoxyethyl)	117-82-8	○							
60-8)	Di-n-hexyl phthalate	84-75-3	○							
60-9)	Diisobutyl phthalate	84-69-5	○							
60-10)	Diisooheptyl phthalate	71888-89-6	○							
60-11)	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	○							
60-12)	Diethyl phthalate	84-66-2	○							
60-13)	Dimethyl phthalate	131-11-3	○							
60-14)	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	68515-51-5 68648-93-1	○							
60-15)	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	○							
60-16)	Diisopentylphthalate	605-50-5	○							
60-17)	Di-n-pentyl phthalate	131-18-0	○							
60-18)	N-pentyl-isopentylphthalate	776297-69-9	○							
60-19)	Diundecyl phthalate	3648-20-2	○							
60-20)	Dicyclohexyl phthalate	84-61-7	○							
60-21)	Diisohexyl phthalate	68515-50-4	○							

\*4PAHs (polycyclic aromatic hydrocarbons)

No.	PAHs No.100	CAS No.	P	A	y	m	M	SM	C	
100-1)	Naphthalene	91-20-3	○							
100-2)	Acenaphthene	83-32-9	○							
100-3)	Acenaphthylene	208-96-8	○							
100-4)	Fluorene	86-73-7	○							
100-5)	Phenanthrene	85-01-8	○							
100-6)	Anthracene	120-12-7	○							
100-7)	Fluoranthene	206-44-0	○							
100-8)	Pyrene	129-00-0	○							
100-9)	Crysene	218-01-9	○							
100-10)	Benz[a]anthracene	56-55-3	○							
100-11)	Benzo[b]fluoranthene	205-99-2	○							
100-12)	Benzo[k]fluoranthene	207-08-9	○							
100-13)	Indeno[1,2,3-cd]-pyrene	193-39-5	○							
100-14)	Dibenzo[a,h]anthracene	53-70-3	○							
100-15)	Benzo[g,h,i]perylene	191-24-2	○							
100-16)	Benzo[a]pyrene	50-32-8	○							
100-17)	Benzo[j]fluoranthene	205-82-3	○							
100-18)	Benzo[e]pyrene	192-97-2	○							
100-19)	Benzo[r,s,t]pentaphene	189-55-9	○							
100-20)	Dibenz[a,h]acridine	226-36-8	○							
100-21)	Dibenz[a,j]acridine	224-42-0	○							
100-22)	Dibenzo[a,e]fluoranthene	5385-75-1	○							
100-23)	Dibenzo[a,e]pyrene	192-65-4	○							
100-24)	Dibenzo[a,h]pyrene	189-64-0	○							
100-25)	Dibenzo[a,l]pyrene	191-30-0	○							
100-26)	7H-Dibenzo[c,g]carbazole	194-59-2	○							
100-27)	5-Methylchrysene	3697-24-3	○							

[Permissible concentration: under 1ppm for each. Total of 27 items is under 10ppm] (Skin-contact use)

## Regulated Substances List (EU REACH Regulation SVHC)

2021/7/11

No.	Name of substance	Chemical substance no. CAS No.	Remarks	Update on
1	Dibutyl phthalate;(DBP)	84-74-2	RoHS2 60 Phtalates 1) PRTR(1-354)	2008/10/28
2	Bis(2-ethylhexyl) phthalate;(DEHP)	117-81-7	RoHS2 60 Phtalates 2) PRTR(1-355)	2008/10/28 2014/12/17
3	Benzyl butyl phthalate;(BBP)	85-68-7	RoHS2 60 Phtalates 3) PRTR(1-356)	2008/10/28
4	Diarsenic pentaoxide	1303-28-2	87 Arsenic and its compounds	2008/10/28
5	Diarsenic trioxide	1327-53-3	87 Arsenic and its compounds, Safety and Health Law	2008/10/28
6	Cobalt dichloride	7646-79-9	94 Cobalt(II) chloride	2008/10/28 2011/6/20
7	4,4'-diaminodiphenylmethane;4,4'-methylenedianiline;(MDA)	101-77-9	40 Azo compounds and aromatic amines 13)	2008/10/28
8	Hexabromocyclododecane;(HBCDD)	25637-99-4, 3194-55-6,1 34237-50-6, 134237-51-7, 134237-52-8	14 Hexabromocyclododecane, Brominated flame retardant	2008/10/28
9	Anthracene	120-12-7	100 PAHs 6)	2008/10/28
10	5-tert-butyl-2,4,6-trinitro-m-xylene;Musk	81-15-2	Musk xylene	2008/10/28
11	Triethyl arsenate	15606-95-8	87 Arsenic and its compounds	2008/10/28
12	Sodium dichromate, dyhydrate Sodium dichromate anhydrate	7789-12-0 10588-01-9	4 Chrome (VI) compounds	2008/10/28
13	Alkanes, C10-C13, chloro (Short Chain Chlorinated Paraffins);(SCCPs)	85535-84-8	9 Chlorinated paraffins	2008/10/28
14	Bis(tributyltin) oxide;(TBTO)	56-35-9	17 Tributyl tin oxide(TBTO)	2008/10/28
15	Lead hydrogen arsenate	7784-40-9	2 Lead and its compounds	2008/10/28
16	Anthracene oil	90640-80-5	100 PAHs 6)	2010/1/13
17	Anthracene oil, anthracene paste, distn.	91995-17-4		2010/1/13
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2		2010/1/13
19	Anthracene oil, anthracene-low	90640-82-7		2010/1/13
20	Anthracene oil, anthracene paste	90640-81-6		2010/1/13
21	coal tar pitch, high temperature	65996-93-2		39 Coal tar
22	Aluminosilicate, Refractory Ceramic Fibres	—	Refractory ceramic fiber. Enlarge the definition range on 2011/12/19	2010/1/13
23	Zirconia Aluminosilicate, Refractory Ceramic Fibres	—	Refractory ceramic fiber. Enlarge the definition range on 2011/12/19	2010/1/13
24	2,4-Dinitrotoluene	121-14-2		2010/1/13
25	Diisobutyl phthalate	84-69-5	RoHS2 60 Phtalates 9)	2010/1/13
26	Lead chromate	7758-97-6	2 Lead and its compounds	2010/1/13
27	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	2 Lead and its compounds	2010/1/13
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2 Lead and its compounds	2010/1/13
29	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	31 Organic phosphorous compounds 22) (US (State of Vermont) legislation)	2010/1/13
30	Acrylamide	79-06-1		2010/3/30
31	Trichloroethylene	79-01-6	44 Organochlorine solvents	2010/6/18
32	Boric acid	10043-35-3, 11113-50-1		2010/6/18
33	Disodium tetraborates, anhydrous	1330-43-4, 12179-04-3, 1303-96-4		2010/6/18
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1		2010/6/18
35	Sodium chromate	7775-11-3	4 Chrome (VI) compounds	2010/6/18
36	Potassium chromate	7789-00-6	4 Chrome (VI) compounds	2010/6/18
37	Ammonium dichromate	7789-09-5	4 Chrome (VI) compounds	2010/6/18
38	Potassium dichromate	7778-50-9	4 Chrome (VI) compounds	2010/6/18
39	Cobalt (di)acetate	71-48-7		2010/12/15
40	Cobalt (II) carbonate	513-79-1		2010/12/15
41	Cobalt dinitrate	10141-05-6		2010/12/15
42	Cobalt (II) sulphate	10124-43-3		2010/12/15
43	2-Ethoxyethanol	110-80-5		2010/12/15
44	2-Methoxyethanol	109-86-4	96 2-Methoxyethanol	2010/12/15
45	Trioxochromium	1333-82-0	4 Chrome (VI) compounds	2010/12/15
46	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	4 Chrome (VI) compounds	2010/12/15
47	2-Ethoxyethyl acetate	111-15-9		2011/6/20
48	Strontium chromate	7789-06-2	4 Chrome (VI) compounds	2011/6/20
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	60 Phtalates 11)	2011/6/20
50	Hydrazine	302-01-2, 7803-57-8		2011/6/20
51	N-methyl-2-pyrrolidone; 1-methyl-2-	872-50-4		2011/6/20
52	1,2,3-trichloropropane	96-18-4	44 Organochlorine solvents	2011/6/20
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	60 Phtalates 10)	2011/6/20
54	Dichromium tris(chromate)	24613-89-6	4 Chrome (VI) compounds	2011/12/19
55	Potassium	11103-86-9	4 Chrome (VI) compounds	2011/12/19
56	Pentazinc chromate octahydroxide	49663-84-5	4 Chrome (VI) compounds	2011/12/19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4		2011/12/19
58	Bis(2-methoxyethyl) phthalate	117-82-8	60 Phtalates 7)	2011/12/19
59	2-Methoxyaniline; o-Anisidine	90-04-0	40 Azo compounds and aromatic amines 2)	2011/12/19

No.	Name of substance	Chemical substance no. CAS No.	Remarks	Update on
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9		2011/12/19
61	1,2-Dichloroethane; ethylene dichloride	107-06-2	44 Organochlorine solvents	2011/12/19
62	Bis(2-methoxyethyl) ether	111-96-6		2011/12/19
63	Arsenic acid	7778-39-4	87 Arsenic and its compounds	2011/12/19
64	Calcium arsenate	7778-44-1	87 Arsenic and its compounds	2011/12/19
65	Trilead diarsenate	3687-31-8	87 Arsenic and its compounds, 2 Lead and its compounds	2011/12/19
66	N,N-dimethylacetamide (DMAC)	127-19-5		2011/12/19
67	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	Safety and Health Law, PRTR(1-160), 40 Azo compounds and aromatic amines 1)	2011/12/19
68	Phenolphthalein	77-09-8		2011/12/19
69	Lead diazide; Lead azide	13424-46-9	2 Lead and its compounds	2011/12/19
70	Lead styphnate	15245-44-0	2 Lead and its compounds	2011/12/19
71	Lead dipicrate	6477-64-1	2 Lead and its compounds	2011/12/19
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2		2012/6/18
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4		2012/6/18
74	Diboron trioxide	1303-86-2	PRTR(1-405)	2012/6/18
75	Formamide	75-12-7		2012/6/18
76	Lead(II) bis(methanesulfonate)	1757076-2	2 Lead and its compounds	2012/6/18
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	PRTR(1-291)	2012/6/18
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	59653-74-6		2012/6/18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8		2012/6/18
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1		2012/6/18
81	[4-[4,4-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9		2012/6/18
82	[4-[4-amino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5		2012/6/18
83	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5)]	6786-83-0		2012/6/18
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1		2012/6/18
85	Pyrochlore, antimony lead yellow	8012-00-8	2 Lead and its compounds	2012/12/19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	40 Azo compounds and aromatic amines 18), PRTR(1-451)	2012/12/19
87	Henicosfluoroundecanoic acid	2058-94-8		2012/12/19
88	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9		2012/12/19
89	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3 14166-21-3		2012/12/19
90	Dibutyltin dichloride (DBT)	683-18-1	19 Dibutyltin (DBT) compounds	2012/12/19
91	Lead bis(tetrafluoroborate)	13814-96-5	2 Lead and its compounds	2012/12/19
92	Lead dinitrate	10099-74-8	2 Lead and its compounds	2012/12/19
93	Silicic acid, lead salt	11120-22-2	2 Lead and its compounds	2012/12/19
94	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	40 Azo compounds and aromatic amines 1)	2012/12/19
95	Lead Titanium Zirconium Oxide	12626-81-2	2 Lead and its compounds	2012/12/19
96	Lead oxide (lead monoxide)	1317-36-8	2 Lead and its compounds	2012/12/19
97	o-Toluidine; 2-Aminotoluene	95-53-4	40 Azo compounds and aromatic amines 7)	2012/12/19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2		2012/12/19
99	Silicic acid, barium salt, lead-doped	68784-75-8	2 Lead and its compounds	2012/12/19
100	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	2 Lead and its compounds	2012/12/19
101	Furan	110-00-9	PRTR(1-377)	2012/12/19
102	N,N-dimethylformamide; dimethyl	68-12-2	107 N,N-Dimethylformamide	2012/12/19
103	4-(1,1,3,3-tetramethylbutyl)phenol, 1-phenyl, 4-nonyl, branched and linear	-		2012/12/19
104	covering all individual isomers with an alkyl chain of carbon number 9 and UVCB	-		2012/12/19
105	4,4'-methylenedi-o-toluidine	838-88-0	40 Azo compounds and aromatic amines 22)	2012/12/19
106	Diethyl sulphate	64-67-5		2012/12/19
107	Dimethyl sulphate	77-78-1		2012/12/19
108	Basic lead sulphate (lead oxide sulphate)	12036-76-9	2 Lead and its compounds	2012/12/19
109	Lead titanium trioxide	12060-00-3	2 Lead and its compounds	2012/12/19
110	Acetic acid, lead salt, basic	51404-69-4	2 Lead and its compounds	2012/12/19

No.	Name of substance	Chemical substance no. CAS No.	Remarks	Update on
111	Dibasic lead phthalate (phthalate(2-dioxotrilead))	69011-06-9	2 Lead and its compounds	2012/12/19
112	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	6 Polybrominated diphenyl ethers(PBDE), PRTR(1-255)	2012/12/19
113	N-methylacetamide	79-16-3		2012/12/19
114	Dinoseb	88-85-7	PRTR(1-441)	2012/12/19
115	1,2-Diethoxyethane	629-14-1		2012/12/19
116	Tetralead trioxide sulphate	12202-17-4	2 Lead and its compounds	2012/12/19
117	N-pentyl-isopentylphthalate	776297-69-9	60 Phtalates 18)	2012/12/19
118	Dioxobis(stearato)trilead	12578-12-0	2 Lead and its compounds	2012/12/19
119	Tetraethyllead	78-00-2	2 Lead and its compounds	2012/12/19
120	Pentalead tetraoxide sulphate	12065-90-6	2 Lead and its compounds	2012/12/19
121	Pentacosafuorotridecanoic acid	72629-94-8		2012/12/19
122	Tricosafuorododecanoic acid	307-55-1		2012/12/19
123	Heptacosafuorotetradecanoic acid	376-06-7		2012/12/19
124	1-bromopropane	106-94-5	PRTR(1-255)	2012/12/19
125	Methoxy acetic acid	625-45-6		2012/12/19
126	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	40 Azo compounds and aromatic amines 9)	2012/12/19
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	PRTR(1-441)	2012/12/19
128	Trilead dioxide phosphonate	12141-20-7	2 Lead and its compounds	2012/12/19
129	o-aminoazotoluene	97-56-3	40 Azo compounds and aromatic amines 10)	2012/12/19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	60 Phtalates 15)	2012/12/19
131	4,4'-oxydianiline and its salts	101-80-4	40 Azo compounds and aromatic amines 14), PRTR(1-143)	2012/12/19
132	Lead tetroxide (orange lead)	1314-41-6	2 Lead and its compounds	2012/12/19
133	Biphenyl-4-ylamine	92-67-1	40 Azo compounds and aromatic amines 5)	2012/12/19
134	Diisopentylphthalate	605-50-5	60 Phtalates 16)	2012/12/19
135	Fatty acids, C16-18, lead salts	91031-62-8	2 Lead and its compounds	2012/12/19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3		2012/12/19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2 Lead and its compounds	2012/12/19
138	Lead cyanidate	20837-86-9	2 Lead and its compounds	2012/12/19
139	Perfluorooctanic acid (PFOA)	335-67-1	89 PFOA(Perfluorooctanate) and individual salts and esters of PFOA	2013/6/20
140	Cadmium oxide	1306-19-0	1 Cadmium and its compounds	2013/6/20
141	Ammoniumpentadecafluorootanoate	3825-26-1	89 PFOA(Perfluorooctanate) and individual salts and esters of PFOA, P	2013/6/20
142	Cadmium	7440-43-9	1 Cadmium and its compounds	2013/6/20
143	4-nonylphenol, branched and linear, ethoxylated [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]	-		2013/6/20
144	Di-n-pentyl phthalate	131-18-0	60 Phtalates 17)	2013/6/20
145	Cadmium sulphide	1306-23-6	1 Cadmium and its compounds	2013/12/16
146	Dihexyl phthalate	84-75-3	60 Phtalates 8)	2013/12/16
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0		2013/12/16
148	Disodium 4-amino-3'-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate	1937-37-7		2013/12/16
149	Imidazolidine-2-thione; 2-imidazoline-2-	96-45-7	PRTR(1-42)	2013/12/16
150	Lead di(acetate)	301-04-2	2 Lead and its compounds	2013/12/16
151	Trixylyl phosphate	25155-23-1	51 Organic phosphorous compounds 25)Other organic phosphorus com	2013/12/16
152	Cadmium chloride	10108-64-2	1 Cadmium and its compounds	2014/6/16
153	1,2-Benzenedicarboxylic acid,dihexyl ester, branched and linear	68515-50-4	60 Phtalates 21)	2014/6/16
154	Sodium peroxometaborate	7632-04-4	74 Boron and its compounds EC-No 231-556-4	2014/6/16
155	Sodium perborate; perboric acid, sodium	—	74 Boron and its compounds EC-No 234-390-0; 239-172-9	2014/6/16
156	Cadmium fluoride	7790-79-6	1 Cadmium and its compounds	2014/12/17
157	Cadmium sulphate	10124-36-4 31119-53-6	1 Cadmium and its compounds	2014/12/17
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	Chemical Examination Law	2014/12/17
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1		2014/12/17
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-	15571-58-1	20 Dioctyltin (DOT) compounds	2014/12/17
161	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 DOTE and MOTE)	-		2014/12/17

No.	Name of substance	Chemical substance no. CAS No.	Remarks	Update on
162	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]	-		2015/6/15
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	60 Phthalates 14)	2015/6/15
164	1,3-propanesultone	1120-71-4		2015/12/17
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1		2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3		2015/12/17
167	Nitrobenzene	98-95-3		2015/12/17
168	Perfluorononane-1-oic-acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4		2015/12/17
169	Benzo[a]pyrene	50-32-8	100 PAHs 16)	2016/6/20
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	102 Bisphenol A PRTR (1-37)	2017/1/12
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2, 3830-45-3, 3108-42-7		2017/1/12
172	p-(1,1-dimethylpropyl)phenol	80-46-6		2017/1/12
173	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-		2017/1/12
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-		2017/7/7
175	Benz[a]anthracene	56-55-3, 1718-53-2	100 PAHs 10)	2018/1/15
176	Cadmium carbonate	513-78-0	1 Cadmium and its compounds	2018/1/15
177	Cadmium hydroxide	21041-95-2	1 Cadmium and its compounds	2018/1/15
178	Cadmium nitrate	10022-68-1, 10325-94-7	1 Cadmium and its compounds	2018/1/15
179	Chrysene	218-01-9, 1719-03-5	100 PAHs 9)	2018/1/15
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-		2018/1/15
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]	-		2018/1/15
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA)	552-30-7		2018/6/27
183	Benzo[ghi]perylene	191-24-2	100 PAHs 15)	2018/6/27
184	Decamethylcyclotrisiloxane (D5)	541-02-6		2018/6/27
185	Dicyclohexyl phthalate (DCHP)	84-61-7	60 Phthalates 20)	2018/6/27
186	Disodium octaborate	12008-41-2		2018/6/27
187	Dodecamethylcyclotrisiloxane (D6)	540-97-6		2018/6/27
188	Ethylenediamine (EDA)	107-15-3		2018/6/27
189	Lead	7439-92-1	2 Lead and its compounds	2018/6/27
190	Octamethylcyclotrisiloxane (D4)	556-67-2		2018/6/27
191	Terphenyl, hydrogenated	61788-32-7		2018/6/27
192	1,7,7-trimethyl-3-(Phenylmethyl)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8		2019/1/15
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6		2019/1/15
194	Benzo[k]fluoranthene	207-08-9	100 PAHs 12)	2019/1/15
195	Fluoranthene	206-44-0	100 PAHs 7)	2019/1/15
196	Phenanthrene	85-01-8	100 PAHs 5)	2019/1/15
197	Pyrene	129-00-0	100 PAHs 8)	2019/1/15
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-		2019/7/16
199	2-methoxyethyl acetate	110-49-6		2019/7/16
200	4-tert-butylphenol	98-54-4		2019/7/16



No.	Name of substance	Chemical substance no. CAS No.	Remarks	Update on
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	51 Organic phosphorous compounds	2019/7/16
202	Diisohexyl phthalate	71850-09-4	60-8) Di-n-hexyl phthalate	2020/1/16
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1		2020/1/16
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5		2020/1/16
205	1-ethyl-3-(3-oxobutyl)butane-1-sulfonic acid (ETBS) and its salts	-		2020/1/16
206	1-vinylimidazole	1072-63-6		2020/6/25
207	2-methylimidazole	693-98-2		2020/6/25
208	Butyl 4-hydroxybenzoate	94-26-9		2020/6/25
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-5		2020/6/25
210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8		2021/1/19
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs.	-		2021/1/19
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-		2021/7/11
213	Orthoboric acid, sodium salt	13840-56-7		2021/7/11
214	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9		2021/7/11
215	Glutaral	111-30-8		2021/7/11
216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C20]	-		2021/7/11
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-		2021/7/11
218	1,4-dioxane	123-91-1		2021/7/11
219	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7		2021/7/11

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