

◇Table 6: Detailed List of Environmentally Sensitive Chemical Substances

(Note) Substances listed in this table are some of the specific examples. This list does not include all of the environmentally sensitive chemical substances.

Banned Substances

No.	Substances	Legal regulation	Industry standard
1	Polychlorinated biphenyls (PCBs) [*1]	Polychlorinated biphenyls	1336-36-3
		Aroclor 1254	11097-69-1
		Monomethyl-tetrachloro-diphenyl methane Note (Ugilec 141)	76253-60-6
		Monomethyl-dichloro-diphenyl methane Note (Ugilec 121, 21)	-
		Monomethyl-dibromo-diphenyl methane Note (DBBT)	99688-47-8
2	Polychlorinated terphenyls (PCTs)	Polychlorinated terphenyl	61788-33-8
		Aroclor 5442	12642-23-8
3	Polychloronaphthalenes (Cl=>1)	Polychloronaphthalenes	70776-03-3
		Pentachloronaphthalene	1321-64-8
4	Polybrominated biphenyls (PBBs)	Tetrabromobiphenyl	40088-45-7
		Hexabromobiphenyl	59080-40-9
		Octabromobiphenyl	61288-13-9
		Decabromobiphenyl	13654-09-6
5	Polybrominated diphenyl ethers (PBDEs)	Hexabromodiphenyl ether	36483-60-0
		Heptabromodiphenyl ether	36483-60-0
		Octabromodiphenyl ether	68928-80-3
		Nonabromodiphenyl ether	32536-52-0
		Decabromobiphenyl ether	63936-56-1
6	Short chain chlorinated paraffins	Chlorinated paraffins (with 10-13 carbon atoms)	85535-84-8
7	Asbestos	Asbestos	7440-43-9
		Actinolite	1306-19-0
		Amosite (Grunerite)	1306-23-6
		Anthophyllite	10108-64-2
		Chrysotile	10124-36-4
		Crocidolite	7440-43-9
		Tremolite	1306-19-0
8	Ozone depleting substances	For Ozone depleting substances, see Appendices 3	—
9	Cadmium and its compounds	Cadmiummestost	7440-43-9
		Cadmium oxide	1306-19-0
		Cadmium sulfide	1306-23-6
		Cadmium chloride	10108-64-2
		Cadmium sulfate	10124-36-4
10	Hexavalent chromium compounds	Barium chromate	10294-40-3
		Calcium chromate	13765-19-0
		Chromium trioxide	1333-82-0
		Lead(II)chromate	7758-97-6
		Sodiumchromate	7775-11-3
		Sodium bichromate	10588-01-9
		Strontium chromate	7789-06-2
		Potassium dichromate	7778-50-9
		Potassium chromate	7789-00-6
		Zinc chromate	13530-65-9

*1 To be precise, these substances are alternate PCBs, however, they were described as exemplified substances of PCBs

No.	Substances	Legal regulation	Industry standard
11	Lead and its compounds	Lead	7439-92-1
		Lead (II) sulfate	7446-14-2
		Lead(II)carbonate	598-63-0
		Lead hydrocarbonate	1319-46-6
		Lead acetate	301-04-2
		Lead (II) acetate, trihydrate	6080-56-4
		Lead phosphate	7446-27-7
		Lead selenide	12069-00-0
		Lead(IV)oxide	1309-60-0
		Lead (II, IV) oxide	1314-41-6
		Lead(II)sulfide	1314-87-0
		Lead (II) oxide	1317-36-8
		Lead (II) carbonate basic	1319-46-6
		Lead hydroxidcarbonate	1344-36-1
		Lead (II) chromate	7758-97-6
		Lead (II) titanate	12060-00-3
		Lead sulfate	15739-80-7
		Lead sulphate	12202-17-4
		Lead stearate	1072-35-1
12	Mercury and its compounds	Mercury	7439-97-6
		Mercuric chloride	33631-63-9
		Mercury (II) chloride	7487-94-7
		Mercuric sulfate	7783-35-9
		Mercuric nitrate	10045-94-0
		Mercuric(II)oxide	21908-53-2
		Mercuric sulfide	1344-48-5
13	Perfluorooctanesulfonic acid and its salts (PFOS)	Perfluorooctanesulfonic acid	1763-23-1
		Perfluorooctanesulfonic acid (ammonium salt)	29081-56-9
		Perfluorooctanesulfonic acid (diethanol amine salt)	70225-14-8
		Perfluorooctanesulfonic acid (potassium salt)	2795-39-3
		Perfluorooctanesulfonic acid (lithium salt)	29457-72-5
14	Certain Azocolourants and Azodyes that form certain amines	Information on specific examples of substances is not available	—
15	Trisubstituted organotin compound (Continued to the next page)	Bis tributyltin oxide	56-35-9
		Triphenyltin N,N-dimethyldithiocarbamate	1803-12-9
		Triphenyltin fluoride	379-52-2
		Triphenyltin acetate	900-95-8
		Triphenyltin chloride	639-58-7
		Triphenyltin hydroxide	76-87-9
		Triphenyltin fatty acid salts (C=9-11)	18380-71-7
			18380-72-8
			47672-31-1
		94850-90-5	
		Triphenyltin chloroacetate	7094-94-2
		Tributyltin methacrylate	2155-70-6
		Bis (tributyltin) fumarate	6454-35-9
		Tributyltin fluoride	1983-10-4
		Bis(tributyltin)=2,3-dibromosuccinate	31732-71-5
		Tributyltin acetate	56-36-0
		Tributyltin laurate	3090-36-6
		Bis (tributyltin) phthalate	4782-29-0
Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate (alkyl; C=8)	67772-01-4		
Tributyltin sulfamate	6517-25-5		
Bis(tributyltin)maleate	14275-57-1		
Mixture of tributyltin cyclopentanecarboxylate and its analogs (Tributyltin naphthenate)	5409-17-2		

No.	Substances	Legal regulation	Industry standard
15	Trisubstituted organotin compound (Continued from the previous page)	Tributyltin-1,2,3,4,4A,4B,5,6,10,10A-decahydro-7-isopropyl-1,4A-dimethyl phenanthrenecarboxylatemic	26239-64-5
		Trimethyltin chloride	1066-45-1
		Trimethyltinsulphate	63869-87-4
		Trimethyltin (IV) hydroxide	56-24-6
		Triethyltin(IV) chloride	994-31-0
		Triethyltin hydroxide	994-32-1
		Tripopyltin chloride	2279-76-7
		Tripopyltin iodoacetate	73927-92-1
16	Dibutyltin compounds	Dibutyltin	1002-53-5
		Dibutyltin maleate	10192-92-4
		Bis[[Z]-4-methoxy-1,4-dioxo-2-butenyl]oxy]dibutylstannane	15546-11-9
		Bis(2-ethylhexanoic acid)dibutyltin	2781-10-4
		Dibutyltin dichloride; (DBTC)	683-18-1
		Dibutyltin oxide	818-08-6
17	Diocetyl tin compounds	Dialkyl(C=1~8)tin bis {alkyl (or alkenyl, C=6~18) thioglycollate}	15571-58-1
		Diocetyl tin maleate	16091-18-2
		Diocetyl tin	26401-97-8
		Diocetyl tin bis (Maleic acid monoalkyl(C=6~224) ester) salt	33568-99-9
		Dibutyltin dichloride	3542-36-7
18	Dimethyl fumarate (dimethyl fumarate (DMF))	Dimethyl fumarate (dimethyl fumarate (DMF))	624-49-7
19	Polycyclic aromatic hydrocarbons (PAHs)	See Table 9	-
20	Perfluorooctanoic acid (PFOA) and any related substances	See Table 10	-
21	Hexabromocyclododecane (HBCDD)	See Table 11	-
22	Bis (2-ethylhexyl) phthalate (DEHP)	Same as left	117-81-7
23	Benzyl butyl phthalate (BBP)	Same as left	85-68-7
24	Dibutyl phthalate (DBP)	Same as left	84-74-2
25	Diisobutyl phthalate (DIBP)	Same as left	84-69-5
26	Polymers in which halogens are contained structurally and polymers to which halogenated compounds are	PVC etc.	-
27	Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain (C9-C14 PFCAs), their salts and C9-C14 PFCA-related substances (Note8)	See Table 12	-
28	Phenol, isopropylated phosphate (3:1) (PIP (3:1))	Same as left	68937-41-7
29	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS related compounds [*2]	Perfluorohexane sulfonic acid (PFHxS)	355-46-4

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*2 Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds means the following

- (i) perfluorohexane sulfonic acid, including any of its branched isomers;
- (ii) its salts
- (iii) PFHxS-related compounds which are any substance that contains the chemical moiety C6F13S- as one of its structural elements and that degrades to PFHxS.