

## NGK Group's Green Procurement Standard - Appendixes

Appendix 1 : About Prohibited Substances and Controlled Substances

Appendix A : Examples of Prohibited Substances

Appendix B : Examples of Controlled Substances

October 2019 (Version 3)

## About Prohibited Substances and Controlled Substances

If a single substance falls within more than one of the standards for Prohibited and Controlled Substances described in Appendix 1, the following rules shall apply.

- 1) If the substance falls within both the standard for Prohibited Substances, and the standard for Controlled Substances, it shall be treated as a Prohibited Substance.
- 2) If the substance falls within more than one standard for Controlled Substances, the stricter or strictest control criterion shall apply. This is also the case for a substance falling under multiple numbers within the same standard.

If NGK or an NGK Group Company requires information on the ingredient substances submitted in a specific document format, such a format shall be used.

### [Prohibited Substances]

#### ◆ Standard for Prohibited Substances

Unless specifically exempted (or specifically defined as an essential use) by the applicable laws and regulations, any mixtures, parts, members, auxiliary materials, products or the like that contain a substance defined as a Prohibited Substance under this standard must not be delivered to NGK or its Group Companies.

In addition to the substances defined as Prohibited Substances under this standard, any mixtures, parts, members, auxiliary materials, products or the like that contain a substance prohibited by the laws and regulations that govern the country or the region where NGK or its Group Company operates must not be delivered to NGK or its Group Companies.

No.	Applicable laws and regulations	Substances / Group of substances/Applicable laws and regulations,
1	Japan: Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals	Specific substances prohibited by the Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals
2	Japan: Law Concerning Special Measures against PCB Waste	Polychlorinated biphenyl (Synonym: PCB)
3	Japan: Poisonous and Deleterious Substances Control Act (Poisonous substance)	Alkylmercury compound
4	Japan: Industrial Safety and Health Act	Substances prohibited by Industrial Safety and Health Act (Substance prohibited for manufacture)
5	Japan: Industrial Safety and Health Act	Asbestos *amosite, crocidolite, chrysotile, tremolite, akutinolite, anthophyllite
6	Japan: Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)
7	Japan: Ozone Layer Protection Law	Ozone Layer Protection Law (A-I, II, B-I, II, III, C-II, III and E-I)
8	EU REACH Regulations	Dimethyl fumarate

\* Appendix A lists examples of substances prohibited by the standard for Prohibited Substances. Any substance not listed in Appendix A which applies to the above standard for Prohibited Substances shall be defined as a Prohibited Substance.

**[Controlled Substances]**

◆ Standard for Controlled Substances B-1

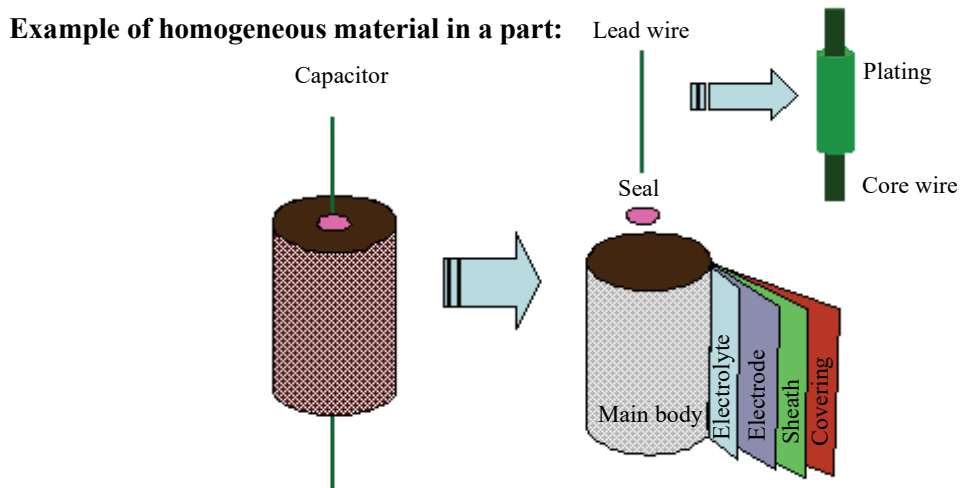
A supplier that delivers a raw material containing a substance controlled by this standard to NGK or its Group Company must, regardless of the content ratio, submit information on the element contained, name of substance, portion containing the substance, amount of substance and content ratio to the delivery recipient. A supplier that delivers a part, member, auxiliary material, product or the like that contains the substance controlled by this standard at a ratio exceeding the control value to NGK or its Group Company must submit information on the element contained, name of substance, portion containing the substance, amount of substance and content ratio to the delivery recipient. If the supplier discovers after the delivery that the delivered goods contained any Controlled Substance, the supplier must immediately notify as such to NGK or its Group Company.

No.	Applicable laws and regulations	Substances/Group of substances/ Applicable laws and regulations, etc.	Control value
1	EU RoHS Directive (2011/65/EU, etc.) EU ELV Directive (2000/53/EC, etc.)	Restricted substances listed in Annex II of EU RoHS Directive Substances controlled by EU ELV Directive	<ul style="list-style-type: none"> <li>• Contained in raw materials</li> <li>• Contained at 0.1 weight percent or 0.01 weight percent in homogeneous material (refer to Appendix B-1 for details) or intentional additive.</li> </ul>

\* Even if the substance falls under the essential use defined by EU RoHS Directive or EU ELV Directive at the time of delivery, the supplier must submit the content information on all the substances controlled by this standard to NGK or its Group Company.

\* Explanation on homogeneous material:

Material which has a homogeneous structure in its entirety and cannot be separated mechanically



◆ Standard for Controlled Substances B-2

A supplier that delivers a raw material containing a substance controlled by this standard to NGK or its Group Company must, regardless of the content ratio, submit information on the name of substance, portion containing the substance, amount of substance, content ratio and so forth to the delivery recipient. A supplier that delivers a part, member, auxiliary material, product or the like containing substances that fall under this standard to NGK or its Group Company must submit information on the portion containing the substance, amount of substance, content ratio and so forth with respect to the content exceeding the controlled value if so required by NGK or its Group Company.

No.	Applicable laws and regulations	Substances/Group of substances/ Applicable laws and regulations, etc.	Control value
1	EU REACH Regulations ((EC) No. 1907/2006, etc.)	Substances listed in Candidate List in Annexes X and IV of EU REACH Regulations	<ul style="list-style-type: none"> <li>• Contained in raw materials</li> <li>• 0.1 weight percent of the separable parts weight or intentional additive</li> </ul>

\* Appendixes B-1 and B-2 list example substances that correspond to the standards for Controlled Substances B-1 and B-2 respectively. Even if not listed in Appendixes B-1 or B-2, all substances falling under the above Controlled Substance standards B-1 or B-2 shall be considered Controlled Substances and the suppliers must submit the related information to NGK and its Group Companies.

◆ Miscellaneous

The supplier must submit a written guarantee that states non-inclusion of substances other than those specified by the standards for Controlled Substances B-1 or B-2 or such information concerning their contents, if so required by NGK or its Group Company.

**[Examples of Prohibited Substances]**

This list shows examples of substances falling under standards for Prohibited Substances as shown in Appendix 1.

No	Name of chemicals	Laws and regulations	Reference/ CAS No.*
1	O-Alkyl (incl. cycloalkyl) alkyl-phosphonofluoridates (limited to those which have 10 or less carbons in alkyl group in O-alkyl and 3 or less carbons in alkyl group in alkyl phosphonofluoridates)	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	107-44-8 96-64-0
2	O-Alkyl (incl. cycloalkyl)=N,N-dialkyl=phosphoramidocyanidates (limiting to those which have 10 or less carbons in alkyl group in O-alkyl and 3 or less carbons in alkyl group in N,N-dialkyl)	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	77-81-6
3	O-Alkyl (incl. cycloalkyl)=S-2-dialkylaminoethyl=alkyl phosphonothiolates (limited to those which have 10 or less carbons in alkyl group in O-alkyl and 3 or less carbons in alkyl group in S-2-dialkylaminoethyl and alkylphosphonothiolates) and corresponding alkylated or protonated salts	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	50782-69-9
4	S-2-dialkylaminoethyl=hydrogen=alkylphosphonothiolates (limited to those which have 3 or less carbons in alkyl group in S-2-dialkylaminoethyl and alkylphosphonothiolates) and corresponding alkylated or protonated salts	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	-
5	2-chloroethyl methyl sulfide	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	2625-76-5
6	Bis(2-chloroethyl)sulfide	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	505-60-2
7	Bis(2-chloroethylthio)methane	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	63869-13-6
8	1,2-Bis(2-chloroethylthio)ethane	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	3563-36-8
9	1,3-Bis(2-chloroethylthio)-n-propane	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	63905-10-2
10	1,4-Bis(2-chloroethylthio)-n-butane	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	142868-93-7
11	1,5-Bis(2-chloroethylthio)-n-pentane	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	142868-94-8
12	Bis(2-chloroethylthiomethyl)ether	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	63918-90-1
13	Bis(2-chloroethylthioethyl)ether	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	63918-89-8
14	2-chlorovinyl dichloroarsine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	541-25-3
15	Bis(2-chlorovinyl)chloroarsine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	40334-69-8
16	Tris(2-chlorovinyl)arsine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	40334-70-1
17	Bis(2-chloroethyl)ethylamine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	538-07-8
18	Bis(2-chloroethyl)methylamine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	51-75-2

No	Name of chemicals	Laws and regulations	Reference/ CAS No.*
19	Tris(2-chloroethyl)amine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	555-77-1
20	Saxitoxin	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	35523-89-8
21	Lysine	Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Specific substance)	9009
22	Polychlorinated biphenyl (Synonym: PCB)	Law Concerning Special Measures against PCB Waste Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
23	Alkylmercury compound	Poisonous and Deleterious Substances Control Act (Poisonous substance)	-
24	Alkylmercury compound	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
25	Benzidine and its salts	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
26	4-aminodiphenyl and its salts	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
27	4-nitrodiphenyl and its salts	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
28	Bis(chloromethyl)ether	Industrial Safety and Health Act (Substance prohibited for manufacture)	542-88-1
29	$\beta$ -naphthylamine and its salts	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
30	Rubber adhesives containing benzene exceeding 5% of solvent (including diluents) of rubber adhesive	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
31	Asbestos *amosite, crocidolite, chrysotile, tremolite, akutinolite, anthophyllite	Industrial Safety and Health Act (Substance prohibited for manufacture)	-
32	Polychloronaphthalene (limited to those which have 3 or more chloride)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
33	Hexachlorobenzene	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	118-74-1
34	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-Hexahydro-Exo-1,4-End-5,8,-Dimethanonaphthalene (Synonyms: Aldrin)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	309-00-2
35	1,2,3,4,10,10-Hexachloro-6,7-Epoxy-1,4,4a,5,6,7,8,8a-Octahydro-Exo-1,4-End-5,8-Dimethanonaphthalene (Synonyms: Dieldrin)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	60-57-1
36	1,2,3,4,10,10-Hexachloro-6,7-Epoxy-1,4,4a,5,6,7,8,8a-Octahydro-End-1,4-End-5,8-Dimethanonaphthalene (Synonyms: Endrin)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	72-20-8
37	1,1,1-Trichloro-2,2-Bis (4-Chlorophenyl) Ethane (Synonyms: DDT)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	50-29-3
38	1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-Hexahydro-4,7-Methano-1H-Indene,1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-Tetrahydro-4,7-Methano-1H-Inden and mixture of relative compounds of these (Synonyms: Chlordane or Heptachlor)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
39	Bis (Tributyltin) = Oxide	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	56-35-9
40	N,N'-Ditolyl-Para-Phenylenediamine,N-Tolyl-N'-Xylyl-Para-phenylenediamine or N,N'-Dixylyl-Para-Phenylenediamine	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
41	2,4,6-Tri-Tertiary-Butylphenol	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	732-26-3

No	Name of chemicals	Laws and regulations	Reference/ CAS No.*
42	Polychloro-2,2-Dimethyl-3-Methylidenebicyclo [2.2.1] Heptane (Synonyms: Toxaphene)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	8001-35-2
43	Dodecachloropentacyclo [5.3.0.0 (2, 6). 0 (3, 9). 0 (4, 8)] Decane (Synonyms: Mirex)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	2385-85-5
44	2,2,2-Trichloro-1,1-Bis (4-Chlorophenyl) Ethanol (Synonyms: Kelthane or Dicofol)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	115-32-3
45	Hexachlorobuta-1,3-Diene	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	87-68-3
46	2-(2H-1,2,3-Benzotriazole-2-Il)-4,6-Di-tert-Butylphenol	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	3846-71-7
47	Perfluoro (Octane-1-Sulfonic acid) (Synonyms: PFOS) or its salts	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
48	Perfluoro (Octane-1-Sulfonyl) = Fluoride (Synonyms: PFOSF)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	307-35-7
49	Pentachloro benzene	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	608-93-5
50	$\alpha$ -1, c-2, t-3, c-4, t-5, t-6 – Hexachlorocyclohexane (Synonyms: $\alpha$ -Hexachlorocyclohexane)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	319-84-6
51	$\beta$ -1, t-2, c-3, t-4, c-5, t-6 – Hexachlorocyclohexane (Synonyms: $\beta$ -Hexachlorocyclohexane)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	319-85-7
52	$\gamma$ -1, c-2, t-3, c-4, c-5, t-6 – Hexachlorocyclohexane (Synonyms: $\gamma$ -Hexachlorocyclohexane (Lindane))	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	58-89-9
53	Decachlorocyclo [5.3.0.0 (2, 6). 0 (3, 9). 0 (4, 8)] Decane – 5 – One (Synonyms: Chlordecone)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	143-50-0
54	Hexabromobiphenyl	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
55	Tetrabromo (Phenoxybenzen) (Synonyms: Tetrabromodiphenyl ether)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
56	Pentbromo (Phenoxybenzene) (Synonyms: Pentabromodiphenyl ether)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
57	Hexabromo (Phenoxybenzene) (Synonyms: Hexabromodiphenyl ether)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
58	Heptabromo (Phenoxybenzene) (Synonyms: Heptabromodiphenyl ether)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
59	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-Hexahydro-6,9-Methano-2,4,3-Benzodioxathiepine = 3-Oxide (Synonyms: endosulfan or benzoepin)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
60	Hexabromocyclododecane	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
61	Pentachlorophenol or its salts or ester	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
62	Polychlorinated normal paraffin (limited to those in which the number of carbon is 10 to 13 and the content of chlorine is more than 48% of the total weight)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	-
63	1,1'-Oxybis (2,3,4,5,6-pentabromobenzene) (also known as decabromodiphenyl ether)	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Class I specified chemical substance)	1163-19-5

No	Name of chemicals	Laws and regulations	Reference/ CAS No.*
64	Trichlorofluoromethane (Synonym: CFC-11)	Ozone Layer Protection Law (A-I)	75-69-4
65	Dichlorodifluoromethane** (Synonym: CFC-12)	Ozone Layer Protection Law (A-I)	75-71-8
66	Trichlorotrifluoroethane (Synonym: CFC-113)	Ozone Layer Protection Law (A-I)	-
67	Dichlorotetrafluoroethane (Synonym: CFC-114)	Ozone Layer Protection Law (A-I)	-
68	Chloropentafluoroethane (Synonym: CFC-115)	Ozone Layer Protection Law (A-I)	76-15-3
69	Bromochlorodifluoromethane*** (Synonym: Halon-1211)	Ozone Layer Protection Law (A-II)	353-59-3
70	Bromotrifluoromethane*** (Synonym: Halon-1301)	Ozone Layer Protection Law (A-II)	75-63-8
71	Dibromotetrafluoroethane*** (Synonym: Halon-2402)	Ozone Layer Protection Law (A-II)	-
72	Chlorotrifluoromethane (Synonym: CFC-13)	Ozone Layer Protection Law (B-I)	75-72-9
73	Pentachlorofluoroethane (Synonym: CFC-111)	Ozone Layer Protection Law (B-I)	354-56-3
74	Tetrachlorodifluoroethane (Synonym: CFC-112)	Ozone Layer Protection Law (B-I)	-
75	Heptachlorofluoropropane (Synonym: CFC-211)	Ozone Layer Protection Law (B-I)	-
76	Hexachlorodifluoropropane (Synonym: CFC-212)	Ozone Layer Protection Law (B-I)	-
77	Pentachlorotrifluoropropane (Synonym: CFC-213)	Ozone Layer Protection Law (B-I)	-
78	Tetrachlorotetrafluoropropane (Synonym :CFC-214)	Ozone Layer Protection Law (B-I)	-
79	Trichloropentafluoropropane (Synonym: CFC-215)	Ozone Layer Protection Law (B-I)	-
80	Dichlorohexafluoropropane (Synonym: CFC-216)	Ozone Layer Protection Law (B-I)	-
81	Chloroheptafluoropropane (Synonym: CFC-217)	Ozone Layer Protection Law (B-I)	-
82	Carbon tetrachloride	Ozone Layer Protection Law (B-II)	56-23-5
83	1,1,1-Trichloroethane	Ozone Layer Protection Law (B-III)	71-55-6
84	Dibromofluoromethane	Ozone Layer Protection Law (C-II)	1868-53-7
85	Bromodifluoromethane (Synonym: HBFC-22B1)	Ozone Layer Protection Law (C-II)	1511-62-2
86	Bromofluoromethane	Ozone Layer Protection Law (C-II)	373-52-4
87	Tetrabromofluoroethane	Ozone Layer Protection Law (C-II)	306-80-9
88	Tribromodifluoroethane	Ozone Layer Protection Law (C-II)	-
89	Dibromotrifluoroethane	Ozone Layer Protection Law (C-II)	354-04-1
90	Bromotetrafluoroethane	Ozone Layer Protection Law (C-II)	-
91	Tribromofluoroethane	Ozone Layer Protection Law (C-II)	-
92	Dibromodifluoroethane	Ozone Layer Protection Law (C-II)	-
93	Bromotrifluoroethane	Ozone Layer Protection Law (C-II)	421-06-7
94	Dibromofluoroethane	Ozone Layer Protection Law (C-II)	358-97-4
95	Bromodifluoroethane	Ozone Layer Protection Law (C-II)	-
96	Bromofluoroethane	Ozone Layer Protection Law (C-II)	762-49-2
97	Hexabromofluoropropane	Ozone Layer Protection Law (C-II)	-
98	Pentabromodifluoropropane	Ozone Layer Protection Law (C-II)	-
99	Tetrabromotrifluoropropane	Ozone Layer Protection Law (C-II)	-
100	Tribromotetrafluoropropane	Ozone Layer Protection Law (C-II)	-
101	Dibromopentafluoropropane	Ozone Layer Protection Law (C-II)	-
102	Bromohexafluoropropane	Ozone Layer Protection Law (C-II)	2252-79-1
103	Pentabromodifluoropropane	Ozone Layer Protection Law (C-II)	-
104	Tetrabromodifluoropropane	Ozone Layer Protection Law (C-II)	-
105	Tribromotrifluoropropane	Ozone Layer Protection Law (C-II)	-
106	Dibromotetrafluoropropane	Ozone Layer Protection Law (C-II)	-
107	Bromopentafluoropropane	Ozone Layer Protection Law (C-II)	-
108	Tetrabromofluoropropane	Ozone Layer Protection Law (C-II)	148875-95-0
109	Tribromodifluoropropane	Ozone Layer Protection Law (C-II)	70192-80-2
110	Tetrabromodifluoropropane	Ozone Layer Protection Law (C-II)	-
111	Tribromotrifluoropropane	Ozone Layer Protection Law (C-II)	-
112	Dibromotetrafluoropropane	Ozone Layer Protection Law (C-II)	75372-14-4
113	Bromopentafluoropropane	Ozone Layer Protection Law (C-II)	460-25-3
114	Tetrabromofluoropropane	Ozone Layer Protection Law (C-II)	-
115	Tribromodifluoropropane	Ozone Layer Protection Law (C-II)	51584-26-0
116	Tetrabromodifluoropropane	Ozone Layer Protection Law (C-II)	-



No	Name of chemicals	Laws and regulations	Reference/ CAS No.*
117	Bromofluoropropane	Ozone Layer Protection Law (C-II)	352-91-0
118	Bromochloromethane	Ozone Layer Protection Law (C-III)	74-97-5
119	Methyl bromide	Ozone Layer Protection Law (E-I)	74-83-9
120	Dimethyl fumarate	EU REACH Regulations	624-49-7

\* This list specifies prohibited substances by its chemical substance name. CAS No. is indicated as a reference because CAS No. of some prohibited substances are not specified in this list.

\*\* Excluding use in existing refrigerant facilities.

\*\*\* Excluding halon for extinguisher.

## Appendix B-1

### [Examples of Controlled Substances - Standard B-1]

This list shows examples of substances falling under standard for Controlled Substances B-1 in Appendix 1.

Name of substance	Control value	
Lead and its compounds	0.1 weight percent as lead	Or intentional additive
Mercury and its compounds	0.1 weight percent as mercury	Or intentional additive
Cadmium or its compounds	0.01 weight percent as cadmium	Or intentional additive
Hexavalent chromium and its compounds	0.1 weight percent as hexavalent chromium	Or intentional additive
Polybrominated biphenyls (PBB) and its series substances	0.1 weight percent as polybrominated biphenyls (PBB)	Or intentional additive
Polybrominated diphenyl ethers (PBDE) and its series substances	0.1 weight percent as polybrominated diphenyl ethers (PBDE)	Or intentional additive
Bis(2-ethylhexyl) phthalate (DEHP)	0.1 weight percent as Bis(2-ethylhexyl) phthalate (DEHP)	Or intentional additive
Benzyl butyl phthalate (BBP)	0.1 weight percent as Benzyl butyl phthalate (BBP)	Or intentional additive
Dibutyl phthalate (DBP)	0.1 weight percent as Dibutyl phthalate (DBP)	Or intentional additive
Diisobutyl phthalate (DIBP)	0.1 weight percent as Diisobutyl phthalate (DIBP)	Or intentional additive

**[Examples of Controlled Substances - Standard B-2]**

This list shows examples of substances falling under standard for Controlled Substances B-2 in Appendix 1.

No.	Name of substance	EC No.	Example of CAS No.
1	Triethyl arsenate	427-700-2	15606-95-8
2	Alkanes C10-C13 chloro (short chain chlorinated paraffins, SCCP)	287-476-5	85535-84-8
3	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	247-148-4 221-695-9	25637-99-4 3194-55-6 etc.
4	Sodium dichromate	234-190-3	7789-12-0 10588-01-9
5	Lead hydrogen arsenate	232-064-2	7784-40-9
6	Diarsenic trioxide	215-481-4	1327-53-3
7	Diarsenic pentaoxide	215-116-9	1303-28-2
8	Anthracene	204-371-1	120-12-7
9	Bis (2-ethylhexyl)phthalate(DEHP)	204-211-0	117-81-7
10	4,4'-Diaminodiphenylmethane(MDA)	202-974-4	101-77-9
11	Benzylbutylphthalate (BBP)	201-622-7	85-68-7
12	Dibutyl phthalate (DBP)	201-557-4	84-74-2
13	5-tert-butyl-2,4,6-trinitro-m-xylene	201-329-4	81-15-2
14	Bis (tributyltin)oxide (TBTO)	200-268-0	56-35-9
15	Anthracene oil, anthracene paste, distillation lights	295-278-5	91995-17-4
16	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2
17	Anthracene oil, anthracene-low	292-604-8	90640-82-7
18	Anthracene oil, anthracene paste	292-603-2	90640-81-6
19	Anthracene oil	292-602-7	90640-80-5
20	Pitch, coaltar, high temperature	266-028-2	—
21	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
22	Lead chromate	231-846-0	7758-97-6
23	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
24	2,4-Dinitrotoluene	204-450-0	121-14-2
25	Tris (2-chloroethyl)phosphate	204-118-5	115-96-8
26	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5
27	Acrylamide	201-173-7	79-06-1
28	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
29	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1
30	Ammonium dichromate	232-143-1	7789-09-5

No.	Name of substance	EC No.	Example of CAS No.
31	Potassium chromate	232-140-5	7789-00-6
32	Potassium dichromate	231-906-6	7778-50-9
33	Sodium chromate	231-889-5	7775-11-3
34	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 1330-43-4 12179-04-3
35	Trichloroethylene	201-167-4	79-01-6
36	Cobalt(II) dinitrate	233-402-1	10141-05-6
37	Cobalt(II) sulphate	233-334-2	10124-43-3
38	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5 Without No.	7738-94-5 13530-68-2
39	Chromium trioxide	215-607-8	1333-80-0
40	Cobalt (II) carbonate	208-169-4	513-79-1
41	2-Ethoxyethanol	203-804-1	110-80-5
42	2-Methoxyethanol	203-713-7	109-86-4
43	Cobalt (II) diacetate	200-755-8	71-48-7
44	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
45	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
46	Strontium chromate	232-142-6	7789-06-2
47	1-Methyl-2-pyrrolidone	212-828-1	872-50-4
48	Hydrazine	206-114-9	302-01-2 / 7803-57-8
49	2-Ethoxyethyl acetate	203-839-2	111-15-9
50	1,2,3-Trichloropropane	202-486-1	96-18-4
51	Cobalt dichloride	231-589-4	7646-79-9
52	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
53	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
54	Dichromium tris (chromate)	246-356-2	24613-89-6
55	Lead styphnate	239-290-0	15245-44-0
56	Lead diazide, Lead azide (II)	236-542-1	13424-46-9
57	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
58	Calcium arsenate	231-904-5	7778-44-1
59	Arsenic acid	231-901-9	7778-39-4
60	Lead dipicrate	229-335-2	6477-64-1
61	Trilead diarsenate	222-979-5	3687-31-8
62	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
63	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5
64	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8

No.	Name of substance	EC No.	Example of CAS No.
65	Bis (2-methoxyethyl) ether	203-924-4	111-96-6
66	1,2-dichloroethane	203-458-1	107-06-2
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4
68	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
69	Phenolphthalein	201-004-7	77-09-8
70	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
71	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
72	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6
73	Lead (II) bis(methanesulfonate) (II)	401-750-5	17570-76-2
74	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) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0
75	[4-[4-anilino-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)]	219-943-6	2580-56-5
76	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9
77	Diboron trioxide	215-125-8	1303-86-2
78	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)]	209-218-2	561-41-1
79	[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)]	208-953-6	548-62-9
80	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
83	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
84	Formamide	200-842-0	75-12-7
85	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
86	N-methylacetamide	201-182-6	79-16-3
87	o-Toluidine	202-429-0	95-53-4

No.	Name of substance	EC No.	Example of CAS No.
88	o-aminoazotoluene	202-591-2	97-56-3
89	Biphenyl-4-ylamine	202-177-1	92-67-1
90	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
91	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
92	4-Aminoazobenzene	200-453-6	60-09-3
93	4,4'-oxydianiline and its salts	202-977-0	101-80-4
94	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
95	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
96	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
97	Dimethyl sulphate	201-058-1	77-78-1
98	Diethyl sulphate	200-589-6	64-67-5
99	Methyloxirane (Propylene oxide)	200-879-2	75-56-9
100	Furan	203-727-3	110-00-9
101	Trilead dioxide phosphonate (Pb <sub>3</sub> O <sub>2</sub> (HPO <sub>3</sub> ))	235-252-2	12141-20-7
102	Tetralead trioxide sulphate (Pb <sub>4</sub> O <sub>3</sub> (SO <sub>4</sub> ))	235-380-9	12202-17-4
103	Tetraethyllead	201-075-4	78-00-2
104	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
105	Silicic acid, lead salt	234-363-3	11120-22-2
106	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	68784-75-8
107	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
108	Pentalead tetraoxide sulphate	235-067-7	12065-90-6
109	Lead titanium zirconium oxide	235-727-4	12626-81-2
110	Lead titanium trioxide	235-038-9	12060-00-3
111	Orange lead (lead tetroxide)	215-235-6	1314-41-6
112	Lead monoxide (lead oxide) (II)	215-267-0	1317-36-8
113	Lead dinitrate (II)	233-245-9	10099-74-8
114	Lead cyanamidate (II)	244-073-9	20837-86-9
115	Lead bis(tetrafluoroborate) (II)	237-486-0	13814-96-5
116	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
117	Dioxobis (stearato) trilead	235-702-8	12578-12-0
118	[Phthalato (2-)] dioxotrilead	273-688-5	69011-06-9
119	Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))	234-853-7	12036-76-9
120	Trilead bis (carbonate) dihydroxide (II)	215-290-6	1319-46-6
121	Acetic acid, lead salt, basic	257-175-3	51404-69-4
122	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1

No.	Name of substance	EC No.	Example of CAS No.
123	N,N-dimethylformamide	200-679-5	68-12-2
124	1,2-Diethoxyethane	211-076-1	629-14-1
125	N-pentyl-isopentylphthalate	-	-
126	Diisopentylphthalate	210-088-4	605-50-5
127	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
128	Methoxyacetic acid	210-894-6	625-45-6
129	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
130	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3
131	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
132	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]	-	-
133	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-
134	Heptacosaflluorotetradecanoic acid	206-803-4	376-06-7
135	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8
136	Tricosaflluorododecanoic acid	206-203-2	307-55-1
137	Pentacosaflluorotridecanoic acid	276-745-2	72629-94-8
138	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
139	Cadmium	231-152-8	7440-43-9
140	Cadmium oxide	215-146-2	1306-19-0
141	Dipentyl phthalate (DPP)	205-017-9	131-18-0
142	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, which include any of the individual isomers and/or combinations thereof]	-	-
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
145	Trixylyl phosphate	246-677-8	25155-23-1
146	Disodium=4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7
147	Cadmium sulphide	215-147-8	1306-23-6

No.	Name of substance	EC No.	Example of CAS No.
148	Disodium=3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0
149	Lead di (acetate)	206-104-4	301-04-2
150	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7
151	Dihexyl phthalate	201-559-5	84-75-3
152	Sodium peroxometaborate	231-556-4	7632-04-4
153	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-290-0	-
154	Cadmium chloride	233-296-7	10108-64-2
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
156	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)	-	-
157	Cadmium sulphate	233-331-6	10124-36-4; 31119-53-6
158	Cadmium fluoride	232-222-0	7790-79-6
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1
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]	-	-
163	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)	271-094-0 272-013-1	68515-51-5 68648-93-1
164	Perfluorononan-1-oic acid (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 Heptafluorononanoic acid (C <sub>8</sub> F <sub>17</sub> COOH), Heptafluorononanoic acid sodium, Heptafluorononanoic acid sodium ammonium	206-801-3	375-95-1 21049-39-8 4149-60-4
165	1,3-propanesultone	214-317-9	1120-71-4
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-1,2,3-benzotriazol-2-yl)-6-sec-butyl-4-tert-butylphenol	253-037-1	36437-37-3
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-di-tert-butyl-6-(5-chloro-2H-1,2,3-benzotriazol-2-yl)phenol	223-383-8	3864-99-1
168	Nitrobenzene	202-716-0	98-95-3
169	Benzo[def]chrysene Benzo[a]pyrene	200-028-5	50-32-8
170	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]	-	-

No.	Name of substance	EC No.	Example of CAS No.
171	p-(1,1-dimethylpropyl)phenol 4-tert-pentylphenol	201-280-9	80-46-6
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 - 221-470-5	335-76-2 3830-45-3 3108-42-7
173	4,4'-isopropylidenediphenol (bisphenol A; BPA) 4,4'-propan-2, 2-diylidiphenol (bisphenol A; BPA)	201-245-8	80-05-7
174	Perfluorohexane-1-sulphonic acid and its salts	206-587-1	355-46-4
175	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]		
176	1,6,7,8,9,14,15,16,17,17,18,18-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]		
177	Chrysene	205-923-4	218-01-9
178	Cadmium nitrate Cadmium nitrate (II)	233-710-6	10325-94-7
179	Cadmium hydroxide	244-168-5	21041-95-2
180	Cadmium carbonate Cadmium carbonate (II)	208-168-9	513-78-0
181	Benz[a]anthracene	200-280-6	56-55-3
182	Dicyclohexyl phthalate (DCHP) Dicyclohexan-1-yl-phthalate	201-545-9	84-61-7
183	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) 1,3-dioxo-1,3-dihydroisobenzofuran-5-carboxylic acid	209-008-0	552-30-7
184	Terphenyl hydrogenated Hydrogenated terphenyl	262-967-7	61788-32-7
185	Octamethylcyclotetrasiloxane (D4) 2,2,4,4,6,6,8,8- octamethylcyclotetrasiloxane	209-136-7	556-67-2
186	Lead	231-100-4	7439-92-1
187	Ethylenediamine	203-468-6	107-15-3
188	Dodecamethylcyclohexasiloxane (D6) 2,2,4,4,6,6,8,8,10,10,12,12- dodecamethylcyclohexasiloxane	208-762-8	540-97-6
189	Disodium octaborate Sodium octaborate	234-541-0	12008-41-2
190	Decamethylcyclopentasiloxane (D5) 2,2,4,4,6,6,8,8,10,10- decamethylcyclopentasiloxane	208-764-9	541-02-6
191	Benzo[ghi]perylene	205-883-8	191-24-2
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8
193	Pyrene	204-927-3	129-00-0
194	Phenanthrene	201-581-5	85-01-8
195	Fluoranthene	205-912-4	206-44-0
196	Benzo[k]fluoranthene	205-916-6	207-08-9
197	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 4,4'-(4-methylpentane-2,2-diyl)diphenol	401-720-1	6807-17-6



No.	Name of substance	EC No.	Example of CAS No.
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	—	—
199	2-methoxyethyl acetate	203-772-9	110-49-6
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	—	—
201	4-tert-butylphenol	202-679-0	98-54-4

\* The CAS No.s in the above list are examples. Note that a substance with a different CAS No. may fall under the listed substances.

< Revision History >

- July, 2015 The substances were added to the list of Appendix A, Appendix B-1 and Appendix B-2 in accordance with a revision to the law.
- October, 2019 The substances were added to the list of Appendix A and Appendix B-2 in accordance with a revision to the law.