

Guideline on Green Procurement

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Nippon Antenna Co., Ltd.

I . Nippon Antenna Environmental Policy

Comprised of an “Environmental Activities Policy” outlining the company’s basic philosophy and six “Guidelines for Behavior” that clarify the above, this is Nippon Antenna’s standpoint on environmental preservation activities.

◆Environmental Activities Policy

The managerial creed for Nippon Antenna Co., Ltd. is based on “Harmony” ”Efficiency” and “Challenge”. In terms of environmental activities, this means valuing partnerships with local communities, using resources efficiently, and endeavoring to undertake environmental activities in a transparent, honest and trustworthy manner.

◆Guidelines for Behavior

- 1) To provide environmental friendly products by reducing environmental loads generated through the lifecycle of Nippon Antenna products, from development to disposal.
- 2) To continuously improve environmental preservation activities and reduce environmental loads through waste reduction.
- 3) To comply with the applicable legal requirements, with the customer requirements, and with the other requirements to which we subscribe related to our environmental aspects.
- 4) To set environmental objectives and targets for executing Nippon Antenna’s “Environmental Policy” and conduct annual reviews.
- 5) To distribute a copy of Nippon Antenna’s “Environmental Policy” to each of the company’s employees and coworkers, and promote environmental activity participation through enlightening activities.
- 6) To disclose Nippon Antenna’s “Environmental Policy” to the public.

June 28, 2007

President & Representative Director: Yutaka Takizawa

II. Requests to Our Business Partners

In order to reduce environmental loads, we request our partners for the following four actions based on Nippon Antenna's "Environmental Policy".

1. Establishment of the environmental management system

We request our business partners to establish the environmental management systems to promote environmental protection and continuous improvement.

Such systems must be equivalent to, or based on, that described in ISO14001.

We recommend our partners to have their established environmental management systems accredited by the third parties.

We would like our partners to understand that we may visit them to check their environmental protection activity conditions as necessary.

2. Idle reduction/Proper disposal of waste

① We request the visitors to make idle reduction within Nippon Antenna's sites for prevention of air pollution and global warming.

② Nippon Antenna promotes activities for achieving "zero emission". Accordingly, we request our suppliers to remove from our premises and dispose properly of the remains of the delivered materials (wastes).

3. Nonuse of Prohibited Chemical Substances

Nippon Antenna declares our customers that we do not use prohibited substances (refer to Appendix "Prohibited Substances List").

Accordingly, Nippon Antenna's products shall not contain the prohibited substances within them.

In order to comply with our declaration, we request our business partners to ensure:

① not to contain the prohibited substances in the components or materials supplied to Nippon Antenna, and

② not to use the prohibited substances in the production lines for Nippon Antenna.

NOTE) Nippon Antenna's "Prohibited Substances List" consists of the chemical substances regulated under the domestic laws in Japan, and under European ELV and RoHS.

II . Requests to Our Business Partners (cont.)

4. Submission of Documents

We request our business partners to survey whether their supplying components/materials contain the prohibited substances (refer to the Appendix “Prohibited Substances List” and “Detailed Prohibited Substances List”) and the weight if contained, and then to submit the below-mentioned documents:

No.	What to be submitted	When to be submitted
1	Chemical Substances Survey Sheet (Appendix)	1) When supplying a component made of a new material. 2) Prior to change of a material or a supplier. 3) When Nippon Antenna requests.
2	Analysis data • issued by material makers. • attach to Chemical Substances Survey Sheet.	
3	Pledge for Disuse of Prohibited Substances • use either of the Appendix or an optional sheet	
4	Chemical Substances Control Check sheet (Appendix)	

NOTE) Nippon Antenna may specify another prohibited substance additional to the “Prohibited Substances List” in accordance with our customer’s requirements. In that case, Nippon Antenna will request an additional survey and submission of documents.

Appendix. Prohibited Substances List

Appendix. Breakdown List of Substances

Nippon Antenna Prohibited Substances List

No.	Class. No.	Substance Group	Threshold	Remarks	
1	C01	Asbestos	Intentionally use prohibited.		
2	C02	Azocolourants and azodyes	Intentionally use prohibited.		
3	C04	Ozone Depleting Substances	Intentionally use prohibited.		
4	C06	Radioactive substances	Intentionally use prohibited.		
5	A17	Bis(tri-butyltin)oxide (TBTO)	Intentionally use prohibited.		
6	A18	Tributyl Tin and Triphenyl Tin	Intentionally use prohibited.		
7	A05	Cadmium/Cadmium compounds	Intentionally use prohibited and 1000ppm. Exceptions:		
			Paints, inks, plastics: Intentionally use prohibited and 75ppm. Packaging materials *1	Packaging of products for EU	
8	A07	Chromium VI compounds	Intentionally use prohibited and 1000ppm. Exception:	EU-D 2002/95/EC EU-D 2000/53/EC	
			Packaging materials *1	Packaging of products for EU	
9	A09	Lead/lead compounds	Intentionally use prohibited and 1000ppm. Exception:	EU-D 2002/95/EC EU-D 2000/53/EC	
			Packaging materials *1	Packaging of products for EU	
			Copper compounds	up to 4wt% (for easy cut)	EU-D 2002/95/EC EU-D 2000/53/EC
			Aluminium compounds	up to 0.4wt% (for easy cut)	
			Lead in glass/ceramic	Exempted application	
			Lead in high-melting point solder used for electrical connection (85% or more lead in weight)	Exempted application	
10	A10	Mercury/mercury compounds	Intentionally use prohibited and 1000ppm. Exception:		
			Packaging materials *1	Packaging of products for EU	
11	B02	Polybrominated Biphenyls (PBBs)	Intentionally use prohibited and 1000ppm.	EU-D 2002/95/EC	
12	B03	Polybrominated	Intentionally use prohibited and 1000ppm.	EU-D 2000/53/EC	
13	B5	Polychlorinated Biphenyls (PCBs)	Intentionally use prohibited.		
14	B6	Polychlorinated Naphthalenes (more than 3 chlorine atoms)	Intentionally use prohibited.		
15	B09	Shortchain Chlorinated Paraffins	Intentionally use prohibited.		
16	—	Acetaldehyde	Control Substances	Banned in principle. If contained, to be reported.	
17	—	Fenobucarb	Control Substances		
18	—	Formaldehyde	Control Substances		
19	—	Toluene	Control Substances		
20	—	Xylene	Control Substances		
21	—	Paradichlorobenzene	Control Substances		
22	—	Ethylbenzene	Control Substances		
23	—	Styrene	Control Substances		
24	—	Chlorpyrifos	Control Substances		
25	—	Di-n-Butyl Phthalate	Control Substances		
26	—	Tetradecane	Control Substances		
27	—	Di(2-Ethylhexyl) Phthalate	Control Substances		
28	—	Diazinon	Control Substances		

*1 Intentionally use banned of Lead, Cadmium, Mercury and Hexavalent Chromium for packaging materials (e.g. resins, ink, paints).

Besides, the total concentration of the above-mentioned four substances in material shall not exceed 100ppm.

note 1. Notwithstanding foregoing, particular requirements shall prevail.

note 2. This list is subject to change in future according to legislation, or else.

No.	Classification	Substance Group	Class. No.	Legal requirements Regulations	Examples of Substances	Chemical formula	CAS No.
1		Asbestos	C01	EU Regulation Germany:Chemical regulation Japan:Industrial Safety and Health Act	Actinolite	-	77536-66-4
					Amosite	-	12172-73-5
					Anthophyllite	-	77536-67-5
					Chrysotile	-	12001-29-5
					Crocidolite	-	12001-28-4
					Tremolite	-	77536-68-6
					Other asbestos	-	-
2		Azocolourants and azodyes	C02	Japan:Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	biphenyl-4-ylamine	-	92-67-1
					Benzidine	-	92-87-5
					4-chloro-o-toluidine	-	95-69-2
					2-naphthylamine	-	91-59-8
					o-aminoazotoluene	-	97-56-3
					5-nitro-o-toluidine	-	99-55-8
					4-chloroaniline	-	106-47-8
Other azocolourants and azodyes	-	-					
3	Asbestos Azo dyes Ozone depleting substances	Ozone Depleting Substances	C04	Law Concerning the Protection of the Ozone Layer Montreal Protocol	Trichlorofluoromethane	-	75-69-4
					Dichlorodifluoromethane (CFC12)	-	75-71-8
					Chlorotrifluoromethane (CFC13)	-	75-72-9
					Pentachlorofluoroethane (CFC111)	-	354-56-3
					Tetrachlorodifluoroethane (CFC112)	-	76-12-0
					Trichlorotrifluoroethane (CFC113)	-	354-58-5
					1, 1, 2 Trichloro-1, 2, 2 trifluoroethane	-	76-13-1
					Dichlorotetrafluoroethane (CFC114)	-	76-14-2
					Monochloropentafluoroethane (CFC115)	-	76-15-3
					Heptachlorofluoropropane (CFC211)	-	422-78-6
					Hexachlorodifluoropropane (CFC212)	-	3182-26-1
					Pentachlorotrifluoropropane (CFC213)	-	2354-06-5
					Tetrachlorotetrafluoropropane (CFC214)	-	29255-31-0
					1, 1, 1, 3-Tetrachlorotetrafluoropropane	-	2268-46-4
					Trichloropentafluoropropane (CFC215)	-	1599-41-3
					1, 1, 1-Trichloropentafluoropropane	-	4259-43-2
					1, 2, 3-Trichloropentafluoropropane	-	76-17-5
					Dichlorohexafluoropropane (CFC216)	-	661-97-2
					Monochloroheptafluoropropane (CFC217)	-	422-86-6
					Bromochlorodifluoromethane (Halon1211)	-	353-59-3
					Bromotrifluoromethane (Halon130 1)	-	75-63-8
					Dibromotetrafluoroethane (Halon2402)	-	124-73-2
					Carbon Tetrachloride (Tetrachloromethane)	-	56-23-5
					1, 1, 1,-Trichloroethane (methylchloroform) and its isomers except 1, 1, 2-trichloroethane	-	71-55-6
					Bromomethane (Methyl Bromide)	-	74-83-9
					Bromodifluoromethane	-	1511-62-2
					Dichlorofluoromethane (HCFC 21)	-	75-43-4
		Chlorodifluoromethane (HCFC 22)			-	75-45-6	
		Chlorofluoromethane (HCFC 31)			-	593-70-4	
		Tetrachlorofluoroethane (HCFC 121)			-	134237-32-4	
		1, 1, 1, 2-tetrachloro-2-fluoroethane (HCFC 121a)			-	354-11-0	
		1, 1, 2, 2-tetrachloro-1-fluoroethane			-	354-14-3	
		Trichlorodifluoroethane (HCFC 122)			-	41834-16-6	
		1, 2, 2-trichloro-1, 1-difluoroethane			-	354-21-2	
		Dichlorotrifluoroethane (HCFC 123)			-	34077-87-7	
		Dichloro-1, 1, 2-trifluoroethane			-	90454-18-5	
		1, 1-dichloro-2, 2, 2-trifluoroethane			-	306-83-2	
		1, 2-dichloro-1, 1, 2-trifluoroethane (HCFC-123a)			-	354-23-4	
		1, 1-dichloro-1, 2, 2-trifluoroethane (HCFC-123b)			-	812-04-4	
		Chlorotetrafluoroethane (HCFC 124)			-	63938-10-3	
		2-chloro-1, 1, 1, 2-tetrafluoroethane			-	2837-89-0	
		1-chloro-1, 1, 2, 2-tetrafluoroethane (HCFC 124a)			-	354-25-6	
		Trichlorofluoroethane (HCFC 131)			-	27154-33-2	
		1-Fluoro-1, 2, 2-trichloroethane			-	359-28-4	
		1, 1, 1-trichloro-2-fluoroethane (HCFC 131b)			-	811-95-0	
		Dichlorodifluoroethane (HCFC 132)			-	25915-78-0	
		1, 2-dichloro-1, 1-difluoroethane (HCFC 132b)			-	1649-08-7	
1, 1-dichloro-1, 2-difluoroethane (HCFC 132c)	-	1842-05-3					
1, 1-dichloro-2, 2-difluoroethane	-	471-43-2					
1, 2-dichloro-1, 2-difluoroethane	-	431-06-1					
		Hydrochloro-fluorocarbons			1, 1, 1, 1-tetrafluoroethane	-	354-33-3
					1, 1, 1, 2-tetrafluoroethane	-	354-35-2
					1, 1, 2, 2-tetrafluoroethane	-	354-33-3
					1, 1, 1, 3-tetrafluoroethane	-	354-35-2
					1, 1, 2, 3-tetrafluoroethane	-	354-33-3
					1, 1, 3, 3-tetrafluoroethane	-	354-35-2
					1, 1, 1, 1, 1-pentafluoroethane	-	354-33-3
					1, 1, 1, 1, 2-pentafluoroethane	-	354-35-2
					1, 1, 1, 2, 2-pentafluoroethane	-	354-33-3
					1, 1, 1, 2, 3-pentafluoroethane	-	354-35-2
					1, 1, 1, 3, 3-pentafluoroethane	-	354-33-3
					1, 1, 2, 2, 3-pentafluoroethane	-	354-35-2
					1, 1, 2, 3, 3-pentafluoroethane	-	354-33-3
					1, 1, 3, 3, 3-pentafluoroethane	-	354-35-2
					1, 1, 1, 1, 1, 1-hexafluoroethane	-	354-33-3
					1, 1, 1, 1, 2-hexafluoroethane	-	354-35-2
					1, 1, 1, 2, 2-hexafluoroethane	-	354-33-3
					1, 1, 1, 2, 3-hexafluoroethane	-	354-35-2
					1, 1, 1, 3, 3-hexafluoroethane	-	354-33-3
					1, 1, 2, 2, 3-hexafluoroethane	-	354-35-2
1, 1, 2, 3, 3-hexafluoroethane	-	354-33-3					
1, 1, 3, 3, 3-hexafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 2-heptafluoroethane	-	354-33-3					
1, 1, 1, 1, 2, 2-heptafluoroethane	-	354-35-2					
1, 1, 1, 1, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 2, 2, 3-heptafluoroethane	-	354-35-2					
1, 1, 1, 2, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 2, 2, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 2, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 3, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 1, 1-octafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2-octafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 2-octafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3-octafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 2-nonafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 2-nonafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3-nonafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3-nonafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3-nonafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3-nonafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 1-decafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2-decafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 2-decafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3-decafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3-decafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3-decafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3-decafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3-decafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3-decafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3-decafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 2, 2-undecafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3-undecafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3-undecafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3-undecafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3-undecafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3-undecafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3-undecafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3-undecafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3-undecafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3-undecafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 2-dodecafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3-dodecafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3-dodecafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3-dodecafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3-dodecafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3-dodecafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3-dodecafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3-dodecafluoroethane	-	354-35-2					
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1, 1, 3, 3, 3, 3, 3-dodecafluoroethane	-	354-35-2					
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1, 1, 1, 1, 1, 2, 3, 3-tridecafluoroethane	-	354-35-2					
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1, 1, 1, 1, 3, 3, 3, 3-tridecafluoroethane	-	354-35-2					
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1, 1, 1, 2, 3, 3, 3, 3-tridecafluoroethane	-	354-35-2					
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1, 1, 2, 3, 3, 3, 3, 3-tridecafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3, 3-tridecafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 2, 2-tetradecafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3-tetradecafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3-tetradecafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3-tetradecafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3-tetradecafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3-tetradecafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3-tetradecafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3-tetradecafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3-tetradecafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3-tetradecafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 3, 3-pentadecafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3, 3-pentadecafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3, 3-pentadecafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3, 3-pentadecafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3, 3-pentadecafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3, 3-pentadecafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3, 3-pentadecafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3, 3-pentadecafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3, 3-pentadecafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3, 3-pentadecafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 2, 3-hexadecafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3, 3-hexadecafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3, 3-hexadecafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3, 3-hexadecafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3, 3-hexadecafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3, 3-hexadecafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3, 3-hexadecafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3, 3-hexadecafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3, 3-hexadecafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3, 3-hexadecafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3, 3, 3-heptafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3, 3, 3-heptafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 2, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 3, 3, 3, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 2, 2, 3, 3, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 2, 3, 3, 3, 3, 3, 3-octafluoroethane	-	354-33-3					
1, 1, 3, 3, 3, 3, 3, 3, 3-octafluoroethane	-	354-35-2					
1, 1, 1, 1, 1, 1, 1, 2, 2, 3, 3, 3-nonafluoroethane	-	354-33-3					
1, 1, 1, 1, 1, 2, 3, 3, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 1, 2, 3, 3, 3, 3, 3-nonafluoroethane	-	354-33-3					
1, 1, 1, 1, 3, 3, 3, 3, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 2, 2, 3, 3, 3, 3, 3-nonafluoroethane	-	354-33-3					
1, 1, 1, 2, 3, 3, 3, 3, 3, 3-nonafluoroethane	-	354-35-2					
1, 1, 1, 3, 3							

No.	Classification	Substance Group	Class. No.	Legal requirements Regulations	Examples of Substances	Chemical formula	CAS No.
3	Ozone depleting substances	Hydrochloro-fluorocarbons	C04	Law Concerning the Protection of the Ozone Layer Montreal Protocol	Chlorotrifluoroethane (HCFC 133)	-	1330-45-6
					1-chloro-1, 2, 2-trifluoroethane	-	1330-45-6
					2-chloro-1, 1, 1-trifluoroethane (HCFC-133a)	-	75-88-7
					Dichlorofluoroethane (HCFC 141)	-	1717-00-6
					1, 1-dichloro-1-fluoroethane (HCFC-141b)	-	1717-00-6
					1, 2-dichloro-1-fluoroethane	-	430-57-9
					Chlorodifluoroethane (HCFC 142)	-	25497-29-4
					1-chloro-1, 1-difluoroethane (HCFC142b)	-	75-68-3
					1-chloro-1, 2-difluoroethane (HCFC142a)	-	25497-29-4
					Hexachlorofluoropropane (HCFC221)	-	134237-35-7
					Pentachlorodifluoropropane (HCFC222)	-	134237-36-8
					Tetrachlorotrifluoropropane (HCFC223)	-	134237-37-9
					Trichlorotetrafluoropropane (HCFC224)	-	134237-38-0
					Dichloropentafluoropropane (HCFC225)	-	127564-92-5
					2, 2-Dichloro-1, 1, 1, 3, 3-pentafluoropropane (HCFC 225aa)	-	128903-21-9
					2, 3-Dichloro-1, 1, 1, 2, 3-pentafluoropropane (HCFC 225ba)	-	422-48-0
					1, 2-Dichloro-1, 1, 2, 3, 3-pentafluoropropane (HCFC 225bb)	-	422-44-6
					3, 3-Dichloro-1, 1, 1, 2, 2-pentafluoropropane (HCFC 225ca)	-	422-56-0
					1, 3-Dichloro-1, 1, 2, 2, 3-pentafluoropropane (HCFC 225cb)	-	507-55-1
					1, 1-Dichloro-1, 2, 2, 3, 3-pentafluoropropane (HCFC 225cc)	-	13474-88-9
					1, 2-Dichloro-1, 1, 3, 3, 3-pentafluoropropane (HCFC 225da)	-	431-86-7
					1, 3-Dichloro-1, 1, 2, 3, 3-pentafluoropropane (HCFC 225ea)	-	136013-79-1
					1, 1-Dichloro-1, 2, 3, 3, 3-pentafluoropropane (HCFC 225eb)	-	111512-56-2
					Chlorohexafluoropropane (HCFC 226)	-	134308-72-8
					Pentachlorofluoropropane (HCFC 231)	-	134190-48-0
					Tetrachlorodifluoropropane (HCFC 232)	-	134237-39-1
					Trichlorotrifluoropropane (HCFC 233)	-	134237-40-4
	1, 1, 1-Trichloro-3, 3, 3-trifluoropropane	-	7125-83-9				
	Dichlorotetrafluoropropane (HCFC 234)	-	127564-83-4				
	Chloropentafluoropropane (HCFC235)	-	134237-41-5				
	1-Chloro-1, 1, 3, 3, 3-pentafluoropropane	-	460-92-4				
	Tetrachlorofluoropropane (HCFC 241)	-	134190-49-1				
	Trichlorodifluoropropane (HCFC 242)	-	134237-42-6				
	Dichlorotrifluoropropane (HCFC 243)	-	134237-43-7				
	1, 1-dichloro-1, 2, 2-trifluoropropane	-	7125-99-7				
	2, 3-dichloro-1, 1, 1-trifluoropropane	-	338-75-0				
	3, 3-dichloro-1, 1, 1-trifluoropropane	-	460-69-5				
	Chlorotetrafluoropropane (HCFC 244)	-	134190-50-4				
	3-chloro-1, 1, 2, 2-tetrafluoropropane	-	679-85-6				
	Trichlorofluoropropane (HCFC 251)	-	134190-51-5				
	1, 1, 3-trichloro-1-fluoropropane	-	818-99-5				
	Dichlorodifluoropropane (HCFC 252)	-	134190-52-6				
	Chlorotrifluoropropane (HCFC 253)	-	134237-44-8				
	3-chloro-1, 1, 1-trifluoropropane (HCFC 253fb)	-	460-35-5				
	Dichlorofluoropropane (HCFC 261)	-	134237-45-9				
	1, 1-dichloro-1-fluoropropane	-	7799-56-6				
	Chlorodifluoropropane (HCFC 262)	-	134190-53-7				
2-chloro-1, 3-difluoropropane	-	102738-79-4					
Chlorofluoropropane (HCFC 271)	-	134190-54-8					
2-chloro-2-fluoropropane	-	420-44-0					
4	Radioactive substances		C06	Nuclear Reactor Regulation Law	Uranium	U	
					Plutonium	Pu	
					Radon	Rn	
					Americium	Am	
					Thorium	Th	
					Cesium	Cs	7440-46-2
					Strontium	Sr	7440-24-6
					Other radioactive substances		

No.	Classification	Substance Group	Class. No.	Legal requirements Regulations	Examples of Substances	Chemical formula	CAS No.
5			A17		Bis(tributyltin)oxide	O(Sn(C4H9)3)2	56-35-9
6		Tributyltins (TBTs) and triphenyltins (TPTs)	A18	Japan:Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Triphenyltin=N,N-dimethyldithiocarbamate	(C6H5)3Sn(CH3)2NCS2	1803-12-9
					Triphenyltinfluoride	(C6H5)3SnF	379-52-2
					Triphenyltinacetate	(C6H5)3SnOCOCH3	900-95-8
					Triphenyltinchloride	(C6H5)3SnCl	639-58-7
					Triphenyltinhydroxide	(C6H5)3SnOH	76-87-9
					Triphenyltin fattyacid((9-11) salt)	-	47672-31-1
					Triphenyltinchloroacetate	(C6H5)3SnOCOCH2Cl	7094-94-2
					Triphenyltinmethacrylate	(C4H9)3SnC4H5O2	2155-70-6
					Bis(tributyltin)fumalate	C2H2(COO)2((C4H9)3Sn)2	6454-35-9
					Tributyltinfluoride	(C4H9)3SnF	1983-10-4
					Bis(tributyltin)2,3-dibromosuccinate	((C4H9)3Sn)2C2H2(Br)2(COO)2	31732-71-5
					Tributyltinacetate	(C4H9)3SnOCOCH3	56-36-0
					Tributyltinlaurate	(C4H9)3SnC12H23O2	3090-36-6
					Bis(tributyltin)phthalate	(C6H4)(COO)2((C4H9)3SN)2	4782-29-0
					Copolymer of alkyl(C=8)acrylate, methyl methacrylate and tributyltin methacrylate	-	-
					Tributyltinsulfamate	(C4H9)3SnSO3NH2	6617-25-5
					Bis(tributyltin)maleate	C2H2(COO)2((C4H9)3Sn)2	14275-57-1
Tributyltinchloride	(C4H9)3SnCl	1461-22-9					
Tributyltin cyclopentane carbonate=mixture	(C4H9)3SnCO3C5H8	-					
Tributyltin-1,2,3,4,4a,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthrenecarboxylatemix	-	-					
Other TBTs and TPTs	-	-					
7	Metals and metal compounds	Cadmium/ Cadmium compounds	A05	WEEE/RoHS/ELV Germany/Netherlands /Denmark:Chemical regulation EU-D 94/62/EC USA:Toxics in Packaging Clearinghouse	Cadmium	Cd	7440-43-9
					Cadmium oxide	CdO	1306-19-0
					Cadmium sulfide	CdS	1306-23-6
					Cadmium chloride	CdCl2	10108-64-2
					Cadmium sulfate	CdSO4	10124-36-4
Other cadmium compounds	-	-					
8		Chromium VI compounds	A07	EU-D 94/62/EC USA:Toxics in Packaging Clearinghouse	Sodium dichromate	Na2Cr2O7	10588-01-9
					Chromium trioxide	CrO3	1333-82-0
					Calcium chromate	CaCrO4	13765-19-0
					Lead (II) chromate	PbCrO4	7758-97-6
					Potassium dichromate	K2Cr2O7	7778-50-9
					Potassium chromate	K2CrO4	7789-00-6
					Magnesium chromate	MgCrO4	13423-61-5
					Other hexavalent chromium compounds	-	-
9		Lead/lead compounds	A09	WEEE/RoHS/ELV Germany:Chemical regulation EU-D 94/62/EC USA:Toxics in Packaging Clearinghouse	Lead	Pb	7439-92-1
					Lead (II) carbonate	PbCO3	598-63-0
					Lead (IV) oxide	PbO2	1309-60-0
					Lead (II, IV) oxide	Pb3O4	1314-41-6
					Lead (II) sulfide	PbS	1314-87-0
					Lead (II) oxide	PbO	1317-36-8
					Lead fluosilicate	Pb(BF4)2	13814-96-5
					Lead (II) carbonate basic	2PbO3Pb(OH)2	1319-46-6
					Lead hydroxidcarbonate	2PbO3Pb(OH)2	1344-36-1
					Lead (II) phosphate	Pb3(Pb4)2	7446-27-7
					Lead (II) chromate	PbCrO4	7758-97-6
					Lead (II) titanate	PbTiO3	12060-00-3
					Lead sulfate	PbxSO4	15739-80-7
					Lead sulfate, tribasic	PbSO4H2O	12202-17-4
					Lead stearate	Pb(C17H35COO)2	1072-35-1
Other lead compounds	-	-					
10		Mercury/ mercury compounds	A10		Mercury	Hg	7439-97-6
					Mercuric chloride	HgCl2	33631-63-9
					Mercuric (II) oxide	HgO	21908-53-2
					Other mercury compounds	-	-
11	Halogenated organic compounds	Brominated flame retardants	B02	EU Regulation Germany:Chemical regulation Germany:Dioxins regulation	Polybrominated Biphenyls (PBBs)	C12HxBr(10-x)	-
					Other PBBs	-	-
					Polybrominated Diphenylethers (PBDEs)	C12HxBr(10-x)o	-
					Other PBDEs	-	-
					Polychlorinated Biphenyls (PCBs)	-	1336-36-3
12		Chlorinated flame retardants	B05	Japan:Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	Other PCBs	-	-
					Polychlorinated Naphthalenes	-	70776-03-3
					Other polychlorinated Naphthalenes	-	-
					Chlorinated paraffins	-	85535-84-8
13			B06		Other chlorinated paraffins	-	-
					Other chlorinated paraffins	-	-
					Acetaldehyde		
					Formaldehyde		
					Toluene		
					Xylene		
					Paradichlorobenzene		
					Ethylbenzene		
14	VOC (Volatile Organic Compounds)		B09	Guideline from Ministry of Health, Labour and Welfare (Sick House Syndrome : Indoor Air Pollution)	Styrene		
					Chlorpyrifos		
					Di-n-Butyl		
					Tetradecane		
					Di(2-		
					Diazinon		