

List of Chemical Substances for Green Procurement

The target delivery material name: The whole products delivered to IRIE KOKEN CO., LTD.

Table A - Prohibited substances in the manufacturing process of IRIE KOKEN CO., LTD.

The designated specified substance specified in the ozone layer protection law.

No.	CAS. No.	Target substances
1	-	CFC
2	-	Halon
3	56-23-5	Carbon tetrachloride
4	71-55-6	1,1,1-Trichloroethane
5	-	HCFC
6	-	HBFC
7	74-97-5	Chlorobromomethane
8	74-83-9	Methyl bromide

Convention Concerning Safety in the Use of Asbestos

No.	CAS. No.	Target substances
9	-	Asbestos

The prohibited substances for the prevention of soil pollution

No.	CAS. No.	Target substances
(3)	56-23-5	Carbon tetrachloride
10	107-06-2	1,2-Dichloroethane
11	75-35-4	Vinylidene (di) chloride
12	540-59-0	1,2-Dichloroethylene
	156-59-2	
	156-60-5	
13	542-75-6	1,3-Dichloropropene
14	127-18-4	Tetrachlorethylene
(4)	71-55-6	1,1,1-Trichloroethane
15	79-00-5	1,1,2-Trichloroethane
16	79-01-6	Trichlorethylene
17	71-43-2	Benzene
18	75-01-4	Chloroethylene (It is not subject to prohibition in the use as a raw material in synthesizing resin / paint etc).

Substances having a significant impact on human health

No.	CAS. No.	Target substances
19	-	yellow phosphorus match flint (yellow phosphorus)
20	-	Benzidine and its salts
21	-	4-aminodiphenyl and its salts
22	-	4-nitrodiphenol and its salts
23	-	Bis (chloromethyl) ether
24	-	Beta-naphthylamine and its salts

Stockholm convention on Persistent Organic Pollutants

No.	CAS. No.	Target substances
25	-	Polychlorinated biphenyls (PCB)
26	-	Polychlorinated naphthalenes (with more than 3 chlorine atoms)
27	118-74-1	Hexachlorobenzene
28	309-00-2	Aldrin
29	60-57-1	Dieldrin
30	72-20-8	Endrin
31	50-29-3	DDT
32	57-74-9	Chlordane
33	76-44-8	Heptachlor
34	8001-35-2	Toxaphene
35	2385-85-5	Mirex
36	87-68-3	Hexachlorobutadiene
37	-	Perfluorooctane sulfonic acid (PFOS) and its salts Perfluorooctane sulfonyl fluoride (PFOSF)
38	608-93-5	Pentachlorobenzene
39	319-84-6	Alpha hexachlorocyclohexane
40	319-85-7	Beta hexachlorocyclohexane
41	58-89-9	Lindane
42	143-50-0	Chlordecone
43	36355-01-8	Hexabromobiphenyl

44	-	Tetrabromodiphenyl ether and pentabromodiphenyl ether
45	-	Hexabromodiphenyl ether and heptabromodiphenyl ether
46	115-29-7 959-98-8 33213-65-9	Technical endosulfan and its related isomers
	25637-99-4 3194-55-6 4736-49-6 65701-47-5 134237-50-6 134237-51-7 134237-52-8 138257-17-7 138257-18-8 138257-19-9 169102-57-2 678970-15-5 678970-16-6 678970-17-7	
47	-	
48	-	Pentachlorophenol and its salts and esters
49	85535-84-8 68920-70-7 71011-12-6 85536-22-7 85681-73-8 108171-26-2	Short-chain chlorinated paraffins (Alkanes, C10-13, chloro):straight-chain chlorinated hydrocarbons with chain lengths ranging from C10 to C13 and a content of chlorine greater than 48 per cent by weight
50	1163-19-5	
51	115-32-2	
52	10606-46-9	
53	-	
54	72-43-5 30667-99-3 76733-77-2 255065-25-9 255065-26-0 59424-81-6 1348358-72-4	
55	13560-89-9 135821-74-8 135821-03-3	Decachlorane Plus
56	25973-55-1	
	-	UV-328

Table B - Prohibited substances contained in products delivered to IRIE KOKEN CO., LTD.

No.	Substance/Substance group	Applicable Substances CAS No.	Scope	Threshold	Exemption	Reference laws and regulations	ID of IEC62474 DSL
1	Cadmium/Cadmium compounds	-	All, except batteries	0.01 mass% (100ppm) of total Cd in homogenous material	Attached Table 2A-3	1, 2, 3, 4, 5-1	00010
2	Chromium (VI) Compounds	-	All	0.1 mass% (1000ppm) of total Cr+6 in homogenous material	Attached Table 2A-3	1, 2, 3, 4	00012
3	Lead/Lead Compounds	-	All, except batteries	0.1 mass% (1000ppm) of total Pb in homogenous material	Attached Table 2A-3	1, 2, 3, 4, 5-1	00021
4			Consumer products designed or intended primarily for children 12 years of age or younger	0.01 mass% (100ppm) of total Pb in product	-	13	00022
5			Paint and similar surface coatings of toys and other articles intended for use by children	0.009 mass% (90ppm) of surface coating material	-	13	00023
6			Cables/cords with thermoset or thermoplastic coatings	0.03 mass% (300ppm) of surface coating material	-	6	00024
7	Mercury/Mercury Compounds	-	All, except batteries	Intentionally added or 0.1 mass% (1000ppm) of total Hg in homogenous material	Attached Table 2A 3	1, 2, 3, 4, 5-1, 31	00029
8	Asbestos	-	All	Intentionally added	-	5-1, 7, 8	00003

9	Bis(tributyltin) oxide (TBTO)	56-35-9	All	Intentionally added	-	9	00054
10	Dibutyltin (DBT) compounds	-	All	0.1 mass% (1000ppm) of tin in the part	-	5-1	00014
11	Diocetyl tin (DOT) compounds	-	(1) textile and leather articles intended to come into contact with the skin, (2) childcare articles, (3) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 mass% (1000ppm) of tin in the part	-	5-1	00015
12	Tri-substituted organostannic compounds	-	All	Intentionally added or 0.1 mass% (1000ppm) of tin in the part	-	5-1, 9, 11	00055
13	Polybrominated biphenyls (PBB)	-	All	0.1 mass% (1000ppm) in homogenous material	-	1, 2, 4	00044
14	Polybrominated diphenyl ethers (PBDE)	-	All	Intentionally added or 0.1 mass% (1000ppm) in homogenous material	-	1, 2, 4, 9	00045
15	Hexabromocyclo dodecane (HBCDD)	Refer to Attached Table B-1	All	Intentionally added or 0.0075mass% (75ppm) of article	-	9, 10	00020
16	Polychlorinated Biphenyls (PCBs) and specific substitutes	Refer to Attached Table B-2	All	Intentionally added	-	5-1, 7, 9, 10	00046
17	Polychlorinated Terphenyls (PCTs)	-	All	0.005 mass% (50ppm) in material	-	5-1	00047
18	Polychlorinated naphthalenes	-	All	Intentionally added	-	9, 10	00048
19	13, chloro (Short Chain)	-	All	Intentionally added or 0.1 mass% (1000ppm) of article	-	9, 10, 39	00052
20	Perfluorooctanesulfonic acid (PFOS) and its salts	-	All	Intentionally added or 0.000025 mass% (25ppb) of PFOS including its salts in article or mixture	-	9, 10, 12	00124 00125
21	PFOS-related substances	-	All	Intentionally added or 0.0001mass% (1000ppb) of one or a combination of PFOS-related substances, in article or mixture	-	10, 12	-
22	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	Refer to Attached Table B-3	All	Intentionally added	except for "Scope" in Attached Table B-3	14	00018
23	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	Refer to Attached Table B-4	All	Intentionally added	-	15, 16, 17	00032
24	2-benzotriazol-2-yl-4,6-di-tert butylphenol (UV 320)	3846-71-7	All	Intentionally added	-	9	00035
25	Dimethylfumara t e (DMF)	624-49-7	All	0.00001 mass% (0.1ppm) of the part	-	5-1	00016

26	Polycyclic aromatic hydrocarbons (PAH)	Refer to Attached Table B-5	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% (1ppm) of the plastic or rubber part	-	5-1	00100, 00109, 00110, 00111, 00112, 00113, 00114, 00116, 00117, 00118, 00119, 00120, 00121, 00122
27			Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% (0.5ppm) of the plastic or rubber part	-		
28	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	All	0.1 mass% (1000ppm) in homogenous material	-	1	00038
29	Dibutyl phthalate (DBP)	84-74-2	All	0.1 mass% (1000ppm) in homogenous material	-	1	00039
30	Benzyl butyl phthalate (BBP)	85-68-7	All	0.1 mass% (1000ppm) in homogenous material	-	1	00040
31	Diisobutyl phthalate	84-69-5	All	0.1 mass% (1000ppm) in homogenous material	-	1	00041
32	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)	117-81-7 84-74-2 85-68-7 84-69-5	(1)Packaging material (2)Promotional materials and accessories	0.1 mass% (1000ppm) as the sum of the phthalate concentrations in plasticized material	-	5-1	00036
33	Perfluorooctanoic acid and its salts	-	All	Intentionally added or 0.0000025 mass% (25ppb) of PFOA including its salts in article or mixture	-	10	00160
34	PFOA-related substances	-	All	Intentionally added or 0.0001 mass% (1000ppb) of one or a combination of PFOA related substances, in article or mixture	-	10	00161
35	Halogenated Flame Retardants	-	Enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	0.1 mass% (1000ppm) of halogen content in homogeneous material	-	45	00171
36	C9-C14 PFCAs and their salts	-	All	0.0000025 mass% for the sum of C9-C14 PFCAs and their salts in Article or Mixture (25ppb)	-	5-1	00182
37	C9-C14 PFCA-related substances	-	All	0.000026 mass% for the sum of C9-C14 PFCA-related substances in Article or Mixture (260ppb)	-	5-1	00183
38	Perfluorohexanesulfonic acid (PFHxS), its salts	-	All	Intentionally added or 0.0000025 mass% (25ppb) of PFHxS including its salts in article or mixture a)	-	9, 10	-
39	PFHxS-related compounds	-	All	Intentionally added or 0.0001 mass% (1000ppb) of one or a combination of PFHxS-related	-	10	-
40	Pentachlorophenol and its salts and esters	-	All	Intentionally added or 0.0005 mass% (5ppm) of PCP including its salts and esters in article or mixture a)	-	9, 10	00201

41	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	68937-41- 7	All	Intentionally added or 0.1mass% (1000ppm) of article	-	7	00174
42	1, 6, 7, 8, 9, 14, 1 5, 16, 17, 17, 18, 18- Dodecachlorope ntacycl o[12.2.1.16.9. 02, 13.0 5, 10]octadeca- 7, 15- diene ("Dechlorane Plus" TM) c	-	All	Intentionally added or 0.0001 mass% (1ppm) of article	-	9, 10	00147
43	2-(2H- benzotriazol- 2- yl)-4, 6- ditertpentylph enol (UV-328)	25973-55- 1	All	Intentionally added or 0.0001mass% (1ppm) of article	-	9, 10	00130
44	Dichloromethan e	75-09-2	All	0.1 mass% (1000ppm) in the part	-	5-1	-

The substance indicated by the mark* is ten substances prohibited by the RoHS Directive, and the numerical value indicated by ppm in [] means "Threshold (Maximum allowable value)".
The bold text indicates changes from the 2024 edition.

Table C - to IRIE KOKEN CO., LTD. "Controlled Substances Contained in Delivered Products (REACH Regulation Candidate List of substances of very high concern for Authorisation)"

The candidate substances for authorization under the REACH regulation listed below are not classified as prohibited substances by our company. However, they are handled as controlled substances, so if applicable, please provide the relevant information.

No.	Substance/Substance Group	ApplicableSubstancesC AS No.	Scope	DSL ID ofIEC62474
1	Diarsenic pentoxide	1303-28-2	All	00001
2	Diarsenic trioxide	1327-53-3	All	00002
3	Cobalt Dichloride	7646-79-9	All	00013
4	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	All	00038
5	Dibutyl phthalate (DBP)	84-74-2	All	00039
6	Benzyl butyl phthalate (BBP)	85-68-7	All	00040
7	Diisobutyl phthalate	84-69-5	All	00041
8	Lead chromate	7758-97-6	All	00026
9	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	All	00027
10	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	All	00028
11	Aluminosilicate Refractory Ceramic Fibres	—	All	00050
12	Zirconia Aluminosilicate Refractory Ceramic Fibres	—	All	00051
13	Tris(2-chloroethyl) phosphate	115-96-8	All	00056
14	Boric acid	—	All	00007
15	Disodium tetraborate, anhydrous	—	All	00017
16	Tetraboron disodium heptaoxide, hydrate	12267-73-1	All	00163
17	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich	71888-89-6	All	00042
18	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters	68515-42-4	All	00043
19	Strontium chromate	7789-06-2	All	00053
20	Pentazinc chromate octahydroxide	49663-84-5	All	00060
21	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	All	00061
22	Bis(2-methoxyethyl) phthalate	117-82-8	All	00059
23	Bis(2-methoxyethyl) ether	111-96-6	All	00058
24	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	All	00057
25	Diboron trioxide	1303-86-2	All	00075
26	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	All	00066
27	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	All	00068
28	Orange lead (lead tetroxide)	1314-41-6	All	00071
29	Lead oxide sulfate	12036-76-9	All	00085
30	Sulfurous acid, lead salt, dibasic	62229-08-7	All	00065
31	Tetralead trioxide sulphate	12202-17-4	All	00070
32	Pentalead tetraoxide sulphate	12065-90-6	All	00073
33	Lead dinitrate	10099-74-8	All	00089
34	Lead titanium trioxide	12060-00-3	All	00083
35	Lead titanium zirconium oxide	12626-81-2	All	00084
36	Trilead dioxide phosphonate	12141-20-7	All	00067
37	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped	68784-75-8	All	00079
38	Fatty acids, C16-18, lead salts	91031-62-8	All	00088
39	Dioxobis(stearato)trilead	12578-12-0	All	00087
40	Lead cyanamidate	20837-86-9	All	00077
41	[Phthalato(2-)]dioxotrilead	69011-06-9	All	00086
42	Pyrochlore, antimony lead yellow	8012-00-8	All	00072
43	Dibutyltin dichloride (DBTC)	683-18-1	All	00076
44	Diisopentyl phthalate	605-50-5	All	00081
45	N-pentyl-isopentylphthalate	776297-69-9	All	00082
46	Hexahydromethylphthalic anhydride	—	All	00092
47	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	All	00080
48	1,2-Diethoxyethane	629-14-1	All	00074
49	N, N-dimethylformamide	68-12-2	All	00078

50	4-Aminoazobenzene	60-09-3	All	00069
51	Cadmium	7440-43-9	All	00093
52	Cadmium oxide	1306-19-0	All	00094
53	Cadmium sulphide	1306-23-6	All	00099
54	Cadmium hydroxide	21041-95-2	All	00146
55	Dipentyl phthalate (DPP)	131-18-0	All	00095
56	4-Nonylphenol, branched and linear, ethoxylated	—	All	00098
57	Trixylyl phosphate	25155-23-1	All	00100
58	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	All	00105
59	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)	1937-37-7	All	00126
60	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	All	00102
61	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	All	00106
62	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	All	00130
63	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	All	00128
64	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)	—	All	00129
65	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	—	All	00131
66	1,3-propanesultone	1120-71-4	All	00133
67	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	All	00134
68	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	All	00135
69	Perfluorononan-1-oic acid and its sodium and ammonium salts	—	All	00140
70	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	All	00138
71	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	—	All	00142
72	Perfluorohexane-1-sulphonic acid and its salts	—	All	00143
73	Chrysene	218-01-9	All	00144
74	Benz[a]anthracene	56-55-3	All	00145
75	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"™)	—	All	00147
76	Benzo[ghi]perylene	191-24-2	All	00148
77	Octamethylcyclotetrasiloxane	556-67-2	All	00149
78	Decamethylcyclopentasiloxane	541-02-6	All	00150
79	Dodecamethylcyclohexasiloxane	540-97-6	All	00151
80	Disodium octaborate	12008-41-2	All	00152
81	Terphenyl, hydrogenated	61788-32-7	All	00153
82	Lead	7439-92-1	All	00154
83	Dicyclohexyl phthalate	84-61-7	All	00139
84	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	All	00155
85	Benzo[k]fluoranthene	207-08-9	All	00156
86	Fluoranthene	206-44-0	All	00157
87	Phenanthrene	85-01-8	All	00158
88	Pyrene	129-00-0	All	00159
89	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	—	All	00162

90	Diisohexyl phthalate	71850-09-4	All	00164
91	Perfluorobutane sulfonic acid (PFBS) and its salts	—	All	00165
92	Di-n-hexyl Phthalate (DnHP)	84-75-3	All	00091
93	4,4'-isopropylidenediphenol	80-05-7	All	00141
94	Dibutylbis(pentane-2,4-dionato-0,0')tin	22673-19-4	All	00170
95	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	All	00172
96	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fattyacyloxy) derivs. wherein C12 is the predominant carbonnumber of the fatty acyloxy moiety	—	All	00173
97	4,4'-(1-methylpropylidene)bisphenol	77-40-7	All	00177
98	Medium-chain chlorinated paraffins (MCCP)	—	All	00178
99	orthoboric acid, sodium salt	—	All	00179
100	4-Nonylphenol, branched and linear	—	All	00180
101	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	All	00181
102	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	37853-59-1	All	00184
103	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	All	00185
104	4,4'-sulphonyldiphenol	80-09-1	All	00186
105	Barium diboron tetraoxide	13701-59-2	All	00187
106	Bis(2-ethylhexyl) tetrabromophthalate	—	All	00188
107	Isobutyl 4-hydroxybenzoate	4247-02-3	All	00189
108	Melamine	108-78-1	All	00190
109	Perfluoroheptanoic acid and its salts	—	All	00191
110	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	—	All	00192
111	bis(4-chlorophenyl) sulphone	80-07-9	All	00194
112	diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	All	00195
113	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	All	00064
114	Pentadecafluorooctanoic Acid (PFOA)	335-67-1	All	00096
115	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	All	00097
116	2,4,6-tri-tert-butylphenol	732-26-3	All	00196
117	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	All	00197
118	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	All	00198
119	Bumetrizole (UV-326)	3896-11-5	All	00199
120	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	—	All	00200
121	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	All	00202
122	Triphenyl phosphate	115-86-6	All	00206
123	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	All	00207
124	0,0,0-triphenyl phosphorothioate	597-82-0	All	00208
125	Octamethyltrisiloxane	107-51-7	All	00209
126	Perfluamine	338-83-0	All	00210
127	Reaction mass of: triphenylthiophosphate and tertiarybutylated phenyl derivatives	192268-65-8	All	00211

Refer to Attached Table B-1

No.	Substance/ Substance group	Applicable substances	CAS. No
15	Hexabromocyclododecane (HBCDD)	Hexabromocyclododecane (HBCDD)	25637-99-4
		1, 2, 5, 6, 9, 10-hexabromocyclododecane	3194-55-6
		α -hexabromocyclododecane	134237-50-6
		β -hexabromocyclododecane	134237-51-7
		γ -hexabromocyclododecane	134237-52-8

Refer to Attached Table B-2

No.	Substance/ Substance group	Applicable substances	CAS. No
16	Polychlorinated Biphenyls (PCBs) and specific substitutes	Polychlorinated biphenyls (all isomers and homologs)	1336-36-3
		Monomethyl-tetrachloro-diphenyl methane (Ugilec 141)	76253-60-6
		Monomethyl-dichloro-diphenyl methane (Ugilec 121, Ugilec 21)	81161-70-8
		Monomethyl-dibromo-diphenyl methane (DBBT)	99688-47-8

Refer to Attached Table B-3

No.	Substance/ Substance group	Applicable substances	CAS. No
22	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	Tetrafluoromethane (PFC-14)	75-73-0
		Hexafluoroethane (PFC-116)	76-16-4
		Octafluoropropane (PFC-218)	76-19-7
		Decafluorobutane (PFC-31-10)	355-25-9
		Dodecafluoropentane (PFC41-12)	678-26-2
		Tetradecafluorohexane (PFC-51-14)	355-42-0
		Octafluorocyclobutane (PFC-c318)	115-25-3
		Sulfur hexafluoride (SF6)	2551-62-4
		Trifluoromethane (HFC-23)	75-46-7
		Difluoromethane (HFC-32)	75-10-5
		Methyl fluoride (HFC-41)	593-53-3
		2H, 3H-Decafluoropentane (HFC-43-10mee)	138495-42-8
		Pentafluoroethane (HFC-125)	354-33-6
		1,1,2,2-Tetrafluoroethane (HFC-134)	359-35-3
		1,1,1,2-Tetrafluoroethane (HFC-134a)	811-97-2
		1,1-Difluoroethane (HFC-152a)	75-37-6
		1,1,2-Trifluoroethane (HFC-143)	430-66-0
		1,1,1-Trifluoroethane (HFC-143a)	420-46-2
		2H-Heptafluoropropane (HFC-227ea)	431-89-0
		1,1,1,2,2,3-Hexafluoropropane (HFC-236cb)	677-56-5
		1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)	431-63-0
		1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)	690-39-1
		1,1,2,2,3-Pentafluoropropane (HFC-245ca)	679-86-7
		1,1,1,3,3-Pentafluoropropane (HFC-245fa)	460-73-1
		1,1,1,3,3-Pentafluorobutane (HFC-365mfc)	406-58-6
[Scope] When the following substances are used intentionally for the specific uses respectively. 1) PFCs, HFCs, SF6 - Non-refillable containers, Windows, Footwear, Tires - One component foams (except where required to meet EU national safety standards) 2) HFCs, PFCs - Non-confined direct evaporation systems containing refrigerants 3) PFCs, HFC-23 - Fire protection equipments 4) HFCs (GWP a) 150 or higher) - New type of aerosol (a haze generator for entertainment or decoration) - Household refrigerators and freezers - Industrial aerosol products - Foam (extruded polystyrene) used for fixed refrigeration equipment (GWP2500 or higher), commercial refrigerators and freezers (GWP2500 or higher), mobile indoor air conditioners, insulation and soundproofing, etc. - Commercial refrigerators and freezers (GWP less than 2500), centralized commercial refrigeration units of 40 kW or moree - Foams used for insulation, soundproofing, etc. (other forms) - Split air conditioners containing less than 3 kg of F gas (GWP750 or greater) [Note] “GWP” means Global Warming Potential.			

Refer to Attached Table B-4

No.	Substance/ Substance group	Montreal Protocol Annex A				
23	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	Group I	CFC1 ₃ (CFC-11)	Group II	CF ₂ BrCl (halon-1211)	
			CF ₂ Cl ₂ (CFC-12)		CF ₃ Br (halon-1301)	
			C ₂ F ₃ Cl ₃ (CFC-113)		C ₂ F ₄ Br ₂ (halon-2402)	
			C ₂ F ₄ Cl ₂ (CFC-114)		—	
			C ₂ F ₅ Cl (CFC-115)		—	
		Montreal Protocol Annex B				
		Group I	CF ₃ Cl (CFC-13)	Group I	C ₃ F ₃ Cl ₅ (CFC-213)	
			C ₂ FC1 ₅ (CFC-111)		C ₃ F ₄ Cl ₄ (CFC-214)	
			C ₂ F ₂ Cl ₄ (CFC-112)		C ₃ F ₅ Cl ₃ (CFC-215)	
			C ₃ FC1 ₇ (CFC-211)		C ₃ F ₆ Cl ₂ (CFC-216)	
			C ₃ F ₂ Cl ₆ (CFC-212)		C ₃ F ₇ Cl (CFC-217)	
		Group II	CCl ₄ Carbon tetrachloride			
		Group III	C ₂ H ₃ Cl ₃ 1, 1, 1-trichloroethane (methylchloroform) Note : This does not contain 1, 1, 2-trichloroethane.			
		Montreal Protocol Annex C				
		—	—		Number of isomers	
		Group I	CHFC12 (HCFC-21)	1		
			CHF2Cl (HCFC-22)	1		
			CH2FC1 (HCFC-31)	1		
			C2HFC14 (HCFC-121)	2		
			C2HF2C13 (HCFC-122)	3		
			C2HF3C12 (HCFC-123)	3		
			CHC12CF3 (HCFC-123) ^{a)}			
			C2HF4C1 (HCFC-124)	2		
			CHFC1CF3 (HCFC-124) ^{a)}			
			C2H2FC13 (HCFC-131)	3		
			C2H2F2C12 (HCFC-132)	4		
			C2H2F3C1 (HCFC-133)	3		
			C2H3FC12 (HCFC-141)	3		
			CH3CFC12 (HCFC-141b) ^{a)}			
			C2H3F2C1 (HCFC-142)	3		
			CH3CF2C1 (HCFC-142b) ^{a)}			
			C2H4FC1 (HCFC-151)	2		
			C3HFC16 (HCFC-221)	5		
			C3HF2C15 (HCFC-222)	9		
			C3HF3C14 (HCFC-223)	12		
			C3HF4C13 (HCFC-224)	12		
			C3HF5C12 (HCFC-225)	9		
			CF3CF2CHC12 (HCFC-225ca) ^{a)}			
			CF2C1CF2CHC11F (HCFC-225cb) ^{a)}			
			C3HF6C1 (HCFC-226)	5		
C3H2FC15 (HCFC-231)	9					
C3H2F2C14 (HCFC-232)	16					
C3H2F3C13 (HCFC-233)	18					
C3H2F4C12 (HCFC-234)	16					
C3H2F5C1 (HCFC-235)	9					
C3H3FC14 (HCFC-241)	12					
C3H3F2C13 (HCFC-242)	18					
C3H3F3C12 (HCFC-243)	18					
C3H3F4C1 (HCFC-244)	12					
C3H4FC13 (HCFC-251)	12					
C3H4F2C12 (HCFC-252)	16					
C3H4F3C1 (HCFC-253)	12					
C3H5FC12 (HCFC-261)	9					
C3H5F2C1 (HCFC-262)	9					
C3H6FC1 (HCFC-271)	5					

Refer to Attached Table B-4

No.	Substance/ Substance group	Montreal Protocol Annex C					
23	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	—	—	Number of isomers	—	Number of isomers	
		Group II	CH ₂ Br ₂	1	CH ₂ FBr	1	
			CHF ₂ Br (HBFC-22B1)	1	C ₂ H ₂ FBr ₄	2	
			C ₂ HF ₂ Br ₃	3	C ₂ HF ₃ Br ₂	3	
			C ₂ HF ₄ Br	2	C ₂ H ₂ FBr ₃	3	
			C ₂ H ₂ F ₂ Br ₂	4	C ₂ H ₂ F ₃ Br	3	
			C ₂ H ₃ FBr ₂	3	C ₂ H ₃ F ₂ Br	3	
			C ₂ H ₄ FBr	2	C ₃ H ₂ FBr ₆	5	
			C ₃ HF ₂ Br ₅	9	C ₃ HF ₃ Br ₄	12	
			C ₃ HF ₄ Br ₃	12	C ₃ HF ₅ Br ₂	9	
			C ₃ HF ₆ Br	5	C ₃ H ₂ FBr ₅	9	
			C ₃ H ₂ F ₂ Br ₄	16	C ₃ H ₂ F ₃ Br ₃	18	
			C ₃ H ₂ F ₄ Br ₂	16	C ₃ H ₂ F ₅ Br	8	
			C ₃ H ₃ FBr ₄	12	C ₃ H ₃ F ₂ Br ₃	18	
			C ₃ H ₃ F ₃ Br ₂	18	C ₃ H ₃ F ₄ Br	12	
			C ₃ H ₄ FBr ₃	12	C ₃ H ₄ F ₂ Br ₂	16	
			C ₃ H ₄ F ₃ Br	12	C ₃ H ₅ FBr ₂	9	
			C ₃ H ₅ F ₂ Br	9	C ₃ H ₆ FBr	5	
		Group III	CH ₂ BrCl Bromochloromethane				
		Montreal Protocol Annex E					
		Group I	CH ₃ Br Methylbromide				
			[Note a)] - These are substances which have the highest possibility of being used commercially.				

The bold text indicates changes from the 2024 edition.

Refer to Attached Table B-5

No.	Substance/ Substance group	Applicable substances	CAS. No	ID of IEC62474 DSL
26, 27	Polycyclic aromatic hydrocarbons (PAH)	Benzo[a]pyrene (BaP)	50-32-8	00108
				00116
		Benzo[e]pyrene (BeP)	192-97-2	00109
				00117
		Benzo[a]anthracene (BaA)	56-55-3	00110
				00118
		Chrysen (CHR)	218-01-9	00111
				00119
		Benzo[b]fluoranthene (BbFA)	205-99-2	00112
				00120
		Benzo[j]fluoranthene (BjFA)	205-82-3	00113
				00121
		Benzo[k]fluoranthene (BkFA)	207-08-9	00114
				00122
		Dibenzo[a, h]anthracene, (DBAhA)	53-70-3	00115
				00123

Reference laws and regulations and Numberings

Attached Legal references (numberings in attached tables)	Country, Area/Standards, etc.	Reference laws and regulations, etc.
1	EU	RoHS Directive 2011/65/EU and its amendments
2	China	Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products
3	USA California	Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
4	Japan	Law for the Promotion of Effective Utilization of Resources
5-1	EU	REACH Regulation (EC) No.1907/2006 ANNEX XVII
5-2	EU	EU REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation
6	USA California	a Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
7	USA	Toxic Substances Control Act (TSCA)
8	Switzerland	Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81
9	Japan	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
10	EU	Persistent Organic Pollutants (POPs) Regulation (EC) No.2019/1021
11	Missing number	
12	Canada	Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment
13	USA	Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
14	EU	REGULATION (EU) No 517/2014 on fluorinated greenhouse gases
15	International	Treaty Montreal Protocol on Substances that Deplete the Ozone Layer
16	Japan	Law concerning the Protection of the Ozone Layer
17	EU	Regulation on substances that deplete the ozone layer (EC) No. 1005/2009
18	Japan	Law Concerning Prevention from Radiation Hazards due to Radio-Isotopes, etc.
19	Japan	Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors
20	EU	Directive 2013/59/Euratom
21	USA California	Perchlorate Contamination Prevention Act of 2003 AB 826
22	Missing number	
23	EU	EU Package Directive 94/62/EC
24	USA	Toxics in Packaging Prevention Act
25	Korea (the Republic of)	ACT ON THE PROMOTION OF SAVING AND RECYCLING OF RESOURCE
26	EU	EU Battery Regulation (EU) No. 2023/1542
27	Korea (the Republic of)	Quality Management and Manufactured Product Safety Management Law (Battery Regulation)
28	Taiwan	(Province of China) Restrictions on the Manufacture, Import, and Sale of Dry Cell Batteries
29	Brazil	Brazil Battery Regulation Resolution No.401
30	China	GB 24427-2021, Content limitation of mercury, cadmium and lead for zinc anode primary battery
31	Canada	Products containing Mercury Regulations SOR/2014-254
32	USA	Federal Mercury-Containing and
33	USA Iowa	Mercury Cell Regulations
34	USA Maine	Regulation concerning mercury added button-type cell(LD 1026)
35	USA Minnesota	Mercury Cell Regulations
36	USA New York	Battery Reduction Rules
37	USA Rhode Island	Mercury Reduction and Education Act SECTION 23-24.9-6
38	China	Regulations on the mercury content of battery products
39	Standard	IEC62474
40	Standard	JEDEC JS709
41	Standard	IPC-4101,IEC61249-2-21
42	Guidance	EICTA, CECED and EERA Joint Position : Guidance on implementing article 11 of Directive
43	Canada	2002/96(EC) concerning information for treatment facilities
44	EU	ELV Directive 2000/53/EC
45	EU	Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays
46	EU	Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC
47	France	The French AGECL Law
48	USA Maine	Maine Public Law, Chapter 447 (LD 1503, 2021) PFAS regulation
49	USA California	California Health and Safety Code (Textile Articles: PFAS) (AB1817, 2022)
50	Korea	(the Republic of) Electrical Appliances and Consumer Products Safety Control Act
51	USA Washington	Safer Products for Washington Chapter 173-337 WAC SAFER PRODUCTS RESTRICTIONS AND REPORTING

The bold text indicates changes from the 2024 edition.