

## 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	-	CFCs
2	-	Halon
3	56-23-5	Carbon tetrachloride
4	71-55-6	1,1,1-Trichloroethane
5	-	HCFCs
6	-	HBFCs
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).

Stockholm convention on Persistent Organic Pollutants

No.	CAS. No.	Target substances
19	-	Polychlorinated biphenyls (PCB)
20	-	Polychlorinated naphthalenes (with more than 3 chlorine atoms)
21	118-74-1	Hexachlorobenzene
22	309-00-2	Aldrin
23	60-57-1	Dieldrin
24	72-20-8	Endrin
25	50-29-3	DDT
26	57-74-9	Chlordane
27	76-44-8	Heptachlor
28	8001-35-2	Toxaphene
29	2385-85-5	Mirex
30	87-68-3	Hexachlorobutadiene
31	-	Perfluorooctane sulfonic acid (PFOS) and its salts Perfluorooctane sulfonyl fluoride (PFOSF)
32	608-93-5	Pentachlorobenzene
33	319-84-6	Alpha hexachlorocyclohexane
34	319-85-7	Beta hexachlorocyclohexane
35	58-89-9	Lindane
36	143-50-0	Chlordecone
37	36355-01-8	Hexabromobiphenyl
38	-	Tetrabromodiphenyl ether and pentabromodiphenyl ether
39	-	Hexabromodiphenyl ether and heptabromodiphenyl ether
40	115-29-7 959-98-8 33213-65-9	Technical endosulfan and its related isomers

41	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	Hexabromocyclododecane
42	-	Pentachlorophenol and its salts and esters
43	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
44	1163-19-5	Decabromodiphenyl ether (commercial mixture, c-decaBDE)
45	115-32-2 10606-46-9	Dicofol
46		Perfluorooctanoic acid(PFOA), its salts and PFOA-related compounds

## Substances having a significant impact on human health

No.	CAS. No.	Target substances
47	-	yellow phosphorus match flint(yellow phosphorus)
48	-	Benzidine and its salts
49	-	4-aminodiphenyl and its salts
50	-	4-nitrodiphenol and its salts
51	-	Bis (chloromethyl) ether
52	-	Beta-naphthylamine and its salts

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
			Batteries	Refer to Attached Table 2A-2 Prohibited Heavy Metal in Batteries			
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
			Leather products / leather components that come into contact with the skin	0.0003 mass% (3ppm) of total Cr+6 in the total dry weight of leather	-		

3	Lead/Lead Compounds	-	All, except batteries	0.1 mass% (100ppm) of total Pb in homogenous material	Attached Table 2A-3	1, 2, 3, 4, 5-1	00021
			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
			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
			Cables/cords with thermoset or thermoplastic coatings	0.03 mass% (300ppm) of surface coating material	-	6	00024
4	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
			Batteries	Refer to Attached Table 2A-2 Prohibited Heavy Metal in Batteries			00030 00132
5	Asbestos	-	All	Intentionally added	-	5-1, 7, 8	00003
6	Bis(tributyltin) oxide (TBTO)	56-35-9	All	Intentionally added	-	9	00054
7	Dibutyltin (DBT) compounds	-	All	0.1 mass% (1000ppm) of tin in the part	-	5-1	00014
8	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
9	Tri-substituted organostannic compounds	-	All	Intentionally added or 0.1 mass% (1000ppm) of tin in the part	-	5-1, 9, 11	00055
10	Polybrominated biphenyls (PBB)	-	All	0.1 mass% (1000ppm) in homogenous material	-	1, 2, 4	00044
11	Polybrominated diphenyl ethers (PBDE)	-	All	Intentionally added or 0.1 mass% (1000ppm) in homogenous material	-	1, 2, 4, 9	00045

12	Hexabromocyclo dodecane (HBCDD)	Refer to Attached Table 2A-1 (Details of Prohibited substances1)	All	Intentionally added or 0.01 mass% (100ppm) of article	-	9, 10	00020
13	Polychlorinated Biphenyls (PCBs) and specific substitutes	Refer to Attached Table 2A-1 (Details of Prohibited substances2)	All	Intentionally added	-	5-1, 7, 9, 10	00046
14	Polychlorinated Terphenyls (PCTs)	-	All	0.005 mass% (50ppm) in material	-	5-1	00047
15	Polychlorinated naphthalenes	-	All	Intentionally added	-	9, 10	00048
16	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	-	All	Intentionally added or 0.1 mass% (1000ppm) of article	-	39	00052
17	Perfluorooctane sulfonates (PFOS)	-	Textiles or other coated materials	Intentionally added or 1 microgram/m <sup>2</sup> of coated material	-	9, 10, 12	00124
			All except textiles or other coated materials	Intentionally added or 0.1 mass% (1000ppm) of the part (as the sum of PFOS)	-	9, 10, 12	00125
18	Fluorinated Greenhouse Gases (PFC, SF6, HFC)	Refer to Attached Table 2A-1 (Details of Prohibited substances 3)	All	Intentionally added	except for "Scope" in Attached Table 2A-1 (Details of Prohibited substances3)	14	00018
19	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	Refer to Attached Table 2A-1 (Details of Prohibited substances 4)	All	Intentionally added	-	15, 16, 17	00032
20	Azocolourants and azodyes which form certain aromatic amines		Textiles and Leather	0.003% (30ppm) by weight of the finished textile/leather product (Refer to attached table 2A-1 (Details of Prohibited substances 5))	-	5-1	00004
21	2-benzotriazol-2-yl-4,6-dimethylphenol	3846-71-7	All	Intentionally added	-	9	00035
22	Dimethylfumarate (DMF)	624-49-7	All	0.00001 mass% (0.1ppm) of the part	-	5-1	00016

23	Polycyclic aromatic hydrocarbons (PAH)	Refer to Attached Table 2A-1 (Details of Prohibited substances 6)	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	00108, 00109, 00110, 00111, 00112, 00113, 00114, 00115
			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	-		00116, 00117, 00118, 00119, 00120, 00121, 00122, 00123
24	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	All	0.1 mass% (1000ppm) in homogenous material	-	1	00038
25	Dibutyl phthalate (DBP)	84-74-2	All	0.1 mass% (1000ppm) in homogenous material	-	1	00039
26	Benzyl butyl phthalate (BBP)	85-68-7	All	0.1 mass% (1000ppm) in homogenous material	-	1	00040
27	Diisobutyl phthalate	84-69-5	All	0.1 mass% (1000ppm) in homogenous material	-	1	00041
28	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
29	Perfluorooctanoic acid and its salts	-	All	Intentionally added or 0.0000025 mass% (25ppb) of PFOA including its salts in article or mixture	-	10	00160
30	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
31	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 Intentionally added	Intentionally added	-	45	00171
32	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
33	C9-C14 PFCAs related substances	-	All	0.000026 mass% for the sum of C9-C14 PFCA-related substances in Article or Mixture (260ppb)	-	5-1	00183
34	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	68937-41-7	All	Intentionally added	Lubricants and greases	7	00174

35	Per- and poly-fluoroalkyl substances (PFAS)	-	Textile article	Intentionally added or 0.01 mass% (100ppm) of total organic fluorine in the part	-	49	-
36	Dichloromethane	75-09-2	All	0.1 mass% (1000ppm) of 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)".

#### Reference Laws and Regulations, etc.

Attached legal references	Country, Area/standard,etc.	Reference laws and regulations, etc.
1	EU	EU RoHS Directive (amended) 2011/65/EU
2	China	Law Measures for the 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 Promotion of Effective Utilization of Resources
5-1	EU	REACH Regulation (EC) No.1907/2006 Annex XVII (Restricted Substances)
5-2	EU	REACH Regulation (EC) No.1907/2006 Candidate list for authorization
6	USA California	Safe Drinking Water and Toxic Enforcement Act of1986 Proposition 65
7	USA California	Toxic Substances Control Act (TSCA)
8	Switzerland	Act of reduction Risks in Treatment of Specified Harardous Substances, Preparations, and Articles in Switerland (ChemRRV) Swiss Ordinance 814.81
9	Japan	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
10	EU	Regulation (EU) No. 2019/1021 on Persistent Organic Pollutants (POPs)
11	Norway	Regulations relating to Restrictions on the Manufacture, Import, Export, Sale and Use of Chemicals and Other Products Hazardous to Health and the Environment (Consumer Product Regulations)FOR-2004-06-01-922
12	Canada	Prohibition of Certain Toxic Substances Regulation SOR/2012-285 and its amendment
13	USA California	Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
14	EU	REGULATION (EU) No. 517/2014 on fluorinated greenhouse gases
15	International Treay	Montreal Protocol on Substances that Deplete the Ozone Layer
16	Japan	Ozone Layer Protection Law
17	EU	Regulation on Substances that Deplete the Ozone Layer (EC) NO.1005/2009
18	Japan	Law Concerning Prevention of Radiation Hazards due to Radioisotopes, etc.
19	Japan	Law Concerning Regulation of Nuclear Source Materials, Nuclear Fuel Materials and Reactors
20	EU	Directive 2013/59/Euratom
21	USA California	Perchlorate Contamination Prevention Act of 2003-AB 826
22	Austria	BGB I 1990/194: Formaldehyde Regulation § 2, 12/2/1990
23	EU	EU Packaging Directive 94/62/EC
24	USA California	Toxics in Packaging Prevention Act
25	Korea(the Republic)	ACT ON THE PROMOTION OF SAVING AND RECYCLING OF RESOURCES
26	EU	EU Battery Directive 2006/66/EC
27	Korea(the Republic)	Quality Management and Manufactured Product Safety Management Law(Battery Regulation)
28	Taiwan(Province of China)	Regulation on the manufacture, import and sale of dry cell batteries
29	Brazil	Brazilian Battery Regulation Resolution No. 401
30	China	Content limitation of mercury, cadmium and lead content in zinc anode batteries (GB24427-2021)
31	Canada	Canadian Mercury Regulations SOR/2014-254
32	USA California	Federal Mercury Containing and Rechargeable Batteries Control Act (104-142)
33	USA Iowa	Mercury Battery Regulations
34	USA Maine	Law on Mercury-added Button Cell Batteries (LD 1026)
35	USA Minnesota	Mercury Battery Regulations
36	USA New York	Battery Reduction Regulations
37	USA Rhode Island	Mercury Reduction and Education Act 23-24.9-6
38	China	Regulations on mercury content in 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 2002/96 (EC) concerning information for treatment facilities
43	Canada	Medical Device Regulations SOR/98-282
44	EU	EU ELV Directive 2000/53/EC
45	EU	Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electroic displays
46	EU	Ecodesign requirements (EU) 2021/341 and (EU)2019/424 pursuant to Directive 2019/125/EC
47	France	The French AGECE 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)