

[Table 1] List of Environment-related Substances

No	Control ranking	JGP SSI No.	Name	Application examples	Application of law(implied brief sketch)/indexes
1	A	C01	Asbestos	Friction material, gasket, insulation material, heat-insulation material, brake lining	Occupational Health and Safety Law (Some of asbestos are restricted voluntarily by Nissin.)
2	A		Bis(chloromethyl)ether		
3	A		Benzidine and its salt		
4	A		Benzene (gum)	Gum	
5	A		Yellow phosphor (match)	Match	
6	A		4-Aminodiphenyl and its salt		
7	A		4-nitrodiphenyl and its salt		
8	A		Beta-naphthylamine and its salt		
9	A		Dioxins (including polychlorinated dibenzofurans and co-PCB)	Other (unintentional product)	
10	A		2,4,6-tri-t-butylphenol	Antioxidant and other prepared additive (for lubricant or fuel oil), lubricant	Law concerning Examination and Regulation of Manufacture and Handling of Chemical Substances
11	A		DDT (4,4'-Dichlorodiphenyltrichloroethane)	Agricultural chemical (insecticide)	
12	A		N,N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine or N,N'-dixylyl-p-phenylenediamine	Rubber anti-oxidant, styrene-butadiene rubber	
13	A		Aldrin	Agricultural chemical (insecticide)	
14	A		Endrin	Agricultural chemical (insecticide)	
15	A		Chlordanes	Agricultural chemical (insecticide)	
16	A		Dieldrin	Agricultural chemical (insecticide)	
17	A		Toxaphene	Insecticide, mite killer (for agricultural use and	
18	A	A17	Bis(tributyl tin)oxide	Ship bottom paint, fish net preservative, Ink, Rubber	
19	A		Hexachlorobenzene	Pesticide, organic synthetic raw material	
20	A	B06	Polychlorinated naphthalene (with 3 or more chlorine atoms)	Machine oil etc.	Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures
21	A	B05	Polychlorinated biphenyls (including polychlorinated terphenyls (PCT))	Heat Medium, Capacitor Oil, Traditional Transformer, Mon-carbon Paper	
22	A		Mirex	Insecticide, ant killer, fire retardant (resin, rubber, paint, electrical products, etc.)	
23	A	C04	Ozone depleting substances* (excluding HCFC)	Chlorofluorocarbons, Refrigerant, Foaming agent, Fire Extinguisher	Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures
24	B	A05	Cadmium and its compounds	Pigment, battery, alloy, plating, polyvinyl chloride stabilizer, Point, Plastics	Directive on the Restriction on the Use of Hazardous Substances in electrical and electronic equipment (RoHS Directive)
25	B	A07	Chromium compounds (hexavalent)	Polishing agent, pigment, tanning agent, plating,	
26	B	A09	Lead and its compounds	Lead tube, lead board, secondary battery, wire coating, soldering, rubber hardening agent (lead oxide), preservative, glass, Plastics, paint	
27	B	A10	Mercury and its compounds	Battery, fluorescent lamp, thermometer, catalyst, analytical reagent	
28	B	B02	Polybrominated biphenyls (PBB)	Fire retardant, resin, circuit board	
29	B	B03	Polybrominated diphenylethers (PBDE)	Fire retardant, resin, circuit board	Law concerning the Protection of Measures to Cope with Global Warming
30	C		Perfluorocarbons (PFC)	Chlorofluorocarbons, semiconductor etching, cleaning agent, insulation	
31	C		Hydrofluorocarbons (HFC)	Chlorofluorocarbons, refrigerant	
32	C		Sulfur hexafluoride (SF6)	Circuit breaker insulation material, insulation gas	Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures
33	C	C04	Hydrochlorofluorocarbons (HCFC)	Chlorofluorocarbons, refrigerant, blowing agent	
34	C		1,2-Dichloroethane	solvent	Air Pollution Control Law (Guidelines for the promotion of voluntary control on air pollution substances by enterprisers)
35	C		1,3-Butadiene	gum raw material	
36	C		Acrylonitrile	Pigment, synthesized resin	
37	C		Acetaldehyde	solvent, cleaning agent	
38	C		Ethene, chloro-	synthesized resin	
39	C		Dichloromethane (methylene chloride)	exfoliation	
40	C		Tetrachloroethylene	solvent	
41	C		Benzene (煤 gum)	paint, solvent	
42	C		Trichloroethylene	solvent, cleaning agent	
43	C		Trichloromethane	solvent, cleaning agent	
44	C		trinickel disulphide	catalyst	
45	C		Formaldehyde	surface-active agent, disinfectant	
46	C		Nickel sulfate	coloring agent (zinc and brass)	
47	C		Ethylbenzene	paint	
48	C		Xylene	paint	
49	C		Toluene	paint	
50	D	A04	Bismuth and its Compounds	low-melting point alloy, catalyst, permanent magnet, semiconductor	Green Procurement Survey Standardization Guidelines(JGPSSI)
51	D	C05	Phthalates	Plasticizer	
52	D	A01	Antimony and its Compounds	Semiconductor material, alloy, fire retardant, pigment, glass cleaning agent, catalyst	
53	D	A11	Nickel and its Compounds	Electric plating, electrotyping, catalyst, dye mordant, coloring agent, battery	
54	D	A02	Arsenic and its Compounds	High-purity semiconductor, low-purity alloy additive (metallic arsenic), preservative, pharmaceutical raw material (arsenic acid), anti-ant agent, rodenticide, dye manufacturing, glass	
55	D	A03	Beryllium and its Compounds	alloy, research reagent, metallic beryllium lining, glass	
56	D	B07	Polyvinylchloride(PVC)	Resin raw material, synthesized resin	
57	D	B09	Short Chain Chlorinated paraffins	Fire retardant, plasticizer, covering material	
58	D	D01	Copper and its Compounds	Pigment, battery, metallurgy, copper plating, paint, coloring agent, catalyst	
59	D	C06	Radioactive Substances	optical glass	
60	D	A18	Tributyl Tins & Triphenyl Tins	polyvinyl chloride stabilizer, Antioxidant	
61	D	C02	Azo Colorants	covering material	
62	D	A13	Selenium and its Compounds	photo conductor, pigment, photocell, semiconductor	
63	D	A16	Magnesium	battery, glass, duralumin	
64	D	B08	Brominated Flame Retardants(except for PBBs and PBDEs)	Fire retardant, resin	
65	D	D02	Gold and its Compounds	Semiconductor, pole, plating	
66	D	D03	Palladium and its Compounds	plating, circuit board, pole	
67	D	D04	Silver and its Compounds	plating, circuit board, pole	

1:Including alloyed metal.
 2:Short Chain Chlorinated Paraffins(C10-13).
 3:Azo dyes and pigment forming certain amines. The subjected applications are limited to parts that may come into direct contact with human skin for a long time. (certain amines are the substances listed 76/769/EEC, the 19th Amendment, refer to Appendix 3-1.)
 4:Substances of Montreal Protocol
 5:Please answer by ISO code 1043-4 or CASNo.
 6:Only applies to the following 5 compounds which have been subjected to EU risk assessment (Appendix-3)
 Dibutylphthalate, Di(2-ethylhexyl)phthalate, Diisononyl phthalate,
 1,2-Benzenedicarboxylic acid diisodecyl ester, Butyl

< Definition of control ranking >
 A: [Prohibited substances]
 B: [Content total abolition substances]
 C: [Substances subject to reduction]
 D: [Concentration investigation substances]