

Negative List

2016/5/1

**[Excluded Substances based on selection standard 1]**

**Chemical Substances Control Law/Class 1 Specified Chemical Substances**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
1	Polychlorinated biphenyls	PCBs	1336-36-3
2	Polychlorinated naphthalenes (limited to those containing two or more chlorine atoms)	Naphthalene, 1,2,3,4,5,6,7,8-octachloro-	2234-13-1
		Naphthalene, tetrachloro-	1335-88-2
		Naphthalene, trichloro-	1321-65-9
		Naphthalene, hexachloro-	1335-87-1
		Naphthalene, heptachloro-	32241-08-0
		Naphthalene, pentachloro-	1321-64-8
		Dichloronaphthalene	2050-69-3
			2198-75-6
			1825-31-6
			1825-30-5
			2050-72-8
			2050-73-9
			2050-74-0
			2050-75-1
	2065-70-5		
	2198-77-8		
	28699-88-9		
3	Hexachlorobenzene	HCB	118-74-1
4	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene	Aldrin	309-00-2
5	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4-endo-5,8-dimethanonaphthalene	Dieldrin	60-57-1
6	1,2,3,4,10,10-Hexachloro-6,7-Epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo-1,4-endo-5,8-dimethanonaphthalene	Endrin	72-20-8
7	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	DDT	50-29-3
8	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-indene and their analogous compounds	Chlordane	57-74-9
		Heptachlor	76-44-8
		rel-(1R,2S,3R,4S,6S,7S)-1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	5103-71-9
		rel-(1R,2S,3R,4R,6S,7S)-1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene	5103-74-2
	trans-Nonachlor	39765-80-5	
9	Bis(tributyltin)=oxide	Distannoxane, 1,1,1,3,3,3-hexabutyl-	56-35-9
10	N,N'-Ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine, or N,N'-Dixylyl-p-phenylenediamine		620-91-7
11	2,4,6-Tri-tert-butylphenol		732-26-3
12	Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptane	Toxaphene	8001-35-2
13	Dodecachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decane	Mirex	2385-85-5
14	2,2,2-Trichloro-1,1-bis(4-Chlorophenyl) ethanol	Kelthane, Dicofol	115-32-2
15	Hexachlorobuta-1, 3-diene		87-68-3
16	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol		3846-71-7
17	Perfluoro(octane-1-sulfonic acid) (Synonym: PFOS) or its salts	Perfluoro(octane-1-sulfonic acid) (Synonym: PFOS)	1763-23-1
18	Perfluoro(octane-1-sulfonyl) fluoride	PFOSF	307-35-7
19	Pentachlorobenzene		608-93-5
20	<i>r</i> -1, <i>c</i> -2, <i>t</i> -3, <i>c</i> -4, <i>t</i> -5, <i>t</i> -6-Hexachlorocyclohexane	$\alpha$ -Hexachlorocyclohexane	319-84-6
21	<i>r</i> -1, <i>t</i> -2, <i>c</i> -3, <i>t</i> -4, <i>c</i> -5, <i>t</i> -6-Hexachlorocyclohexane	$\beta$ -Hexachlorocyclohexane	319-85-7
22	<i>r</i> -1, <i>c</i> -2, <i>t</i> -3, <i>c</i> -4, <i>c</i> -5, <i>t</i> -6-Hexachlorocyclohexane	$\gamma$ -Hexachlorocyclohexane, Lindane	58-89-9
23	Decachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one	Chlordecone, Kepone	143-50-0
24	Hexabromobiphenyl		36355-01-8
25	Tetrabromo(phenoxybenzene)	Tetrabromodiphenyl ether	40088-47-9
25	Pentabromo(phenoxybenzene)	Pentabromodiphenyl ether	32534-81-9
25	Hexabromo(phenoxybenzene)	Hexabromodiphenyl ether	36483-60-0

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
25	Heptabromo(phenoxybenzene)	Heptabromodiphenyl ether	68928-80-3
114	Hexachloro-hexahydro- methano-benzo-dioxathiepine oxide	Endosulfan, Benzoepin	115-29-7 959-98-8 33213-65-9
413	Hexabromocyclododecane	HBCCD	25637-99-4 4736-49-6 65701-47-5 138257-17-7 138257-18-8 138257-19-9 169102-57-2 678970-15-5 678970-16-6 678970-17-7 3194-55-6 134237-50-6 134237-51-7 134237-52-8
382	Pentachlorophenol and its salts and esters	2,3,4,5,6-Pentachlorophenol Sodium Pentachlorophenate Sodium pentachlorophenate monohydrate Pentachlorophenyl laurate	87-86-5 131-52-2 27735-64-4 3772-94-9

#### Chemical Substances Control Law/Class 2 Specified Chemical Substances

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
26	Trichloroethylene		79-01-6
27	Tetrachloroethylene		127-18-4
28	Carbon tetrachloride		56-23-5
29	Triphenyltin N,N-dimethyldithiocarbamate		1803-12-9
30	Triphenyltin fluoride	Stannane, fluorotriphenyl-	379-52-2
31	Triphenyltin acetate	Stannane, acetoxxytriphenyl-	900-95-8
32	Triphenyltin chloride		639-58-7
33	Triphenyltin hydroxide		76-87-9
34	Triphenyltin salt of fatty acid (only those containing 9,10 or 11 carbon atoms in the fatty acid)	Triphenylstannyl 2,2,4,4-tetramethylpentanoate Triphenylstannyl 2-isopropyl-2,3-dimethylbutanoate Triphenylstannyl decanoate Triphenylstannyl undecanoate	18380-71-7 18380-72-8 47672-31-1 94850-90-5
35	Triphenyltin chloroacetate	(Chloroacetoxy)triphenylstannane	7094-94-2
36	Tributyltin methacrylate		2155-70-6
37	Bis(tributyltin) fumarate	Bis(tributan-1-ylstannyl) fumarate Bis(tributan-1-ylstannyl) but-2-enedioate	6454-35-9 24291-45-0
38	Tributyltin fluoride	Stannane, tributylfluoro- Stannane, fluorotris(2-methylpropyl)-	1983-10-4 7304-48-5
39	Bis(tributyltin) 2,3-dibromosuccinate		31732-71-5
40	Tributyltin acetate		56-36-0
41	Tributyltin laurate		3090-36-6
42	Bis(tributyltin) phthalate		4782-29-0
43	Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate (only those containing 8 carbon atoms in alkyl group of alkyl acrylate)	Poly[(methyl methacrylate)-co-(octan-1-yl acrylate)-co-(tributan-1-ylstannyl methacrylate)]	67772-01-4
44	Tributyltin sulfamate		6517-25-5
45	Bis(tributyltin) maleate		14275-57-1
46	Tributyltin chloride		1461-22-9
47	Mixture of tributyltin cyclopentanecarboxylate and its analogous compounds	Tributyltin naphthenate	85409-17-2
48	Mixture of tributyltin 1,2,3,4,4a,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthrenecarboxylate and its analogous compounds	Tributyltin rosin salt	26239-64-5

#### Industrial Safety and Health Law / Harmful Substances, Prohibited for Manufacturing

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
49	Yellow phosphorus matches	Tetraphosphorus	12185-10-3
50	Benzidine and its salts	Benzidine [1,1'-Biphenyl]-4,4'-diamine, dihydrochloride [[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	92-87-5 531-85-1 531-86-2

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
51	4-Aminodiphenyl and its salts	4-Aminodiphenyl	92-67-1
52	Asbestos	Asbestos, amosite Asbestos, crocidolite	12172-73-5 12001-28-4
53	4-Nitrobiphenyl and its salts	1,1'-Biphenyl, 4-nitro-	92-93-3
54	Bis (chloromethyl) ether		542-88-1
55	$\beta$ -Naphthylamine and its salts	2-Naphthylamine	91-59-8
56	Gum containing benzene, in which the volume of contained benzene exceeds 5 % of the solvent (including diluents) of the said gum		—

**Industrial Safety and Health Law, Ordinance on Prevention of Hazards Due to Specified Chemical Substances / Specified Chemical Substances /Group 1 substances**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
57	Dichlorobenzidine and its salts	Dichlorobenzidine	1331-47-1
		2,2'-dichloro[1,1'-biphenyl]-4,4'-diamine	84-68-4
		[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-	91-94-1
		[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-, hydrochloride (1:2)	612-83-9
58	$\alpha$ -Naphthylamine and its salts	1-Naphthalenamine	134-32-7
1	Polychlorinated biphenyls	PCBs	1336-36-3
59	o-Toluidine and its salts	3,3'-Dimethylbenzidine	119-93-7
60	Dianisidine and its salts	3,3'-Dimethoxybenzidine	119-90-4
61	Beryllium and its compounds	Beryllium chloride (BeCl <sub>2</sub> )	7787-47-5
		Carbonic acid, beryllium salt (1:1)	13106-47-3
		Beryllium zinc silicate	39413-47-3
		Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), beryllium salt (1:2)	15191-85-2
		Beryllium zinc silicate	25638-88-4
		Beryl (Al <sub>2</sub> Be <sub>3</sub> (SiO <sub>3</sub> ) <sub>6</sub> )	1302-52-9
		Beryllium oxide (BeO)	1304-56-9
		Nitric acid, beryllium salt (2:1)	13597-99-4
		Beryllium hydroxide (Be(OH) <sub>2</sub> )	13327-32-7
		Beryllium fluoride (BeF <sub>2</sub> )	7787-49-7
		Beryllium	7440-41-7
		Beryllium di(acetate)	543-81-7
		Beryllium oxyfluoride	63990-88-5
Sulfuric acid, beryllium salt (1:1)	13510-49-1		
Beryllium sulfate tetrahydrate	7787-56-6		
Beryllium hydrogen phosphate	13598-15-7		
62	Benzotrichloride		98-07-7

**Industrial Safety and Health Law, Ordinance on Prevention of Hazards Due to Specified Chemical Substances / Specified Chemical Substances/The Group 2 Substances (substance under specified supervision)**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
511	Indium compounds		—
522	Ethylbenzene	Benzene, ethyl-	100-41-4
63	Ethyleneimine	Aziridine	151-56-4
64	Ethylene oxide	Oxirane	75-21-8
65	Vinyl chloride		75-01-4
66	Auramine		492-80-8
67	Chromic acid and its salts	Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), calcium salt (1:1)	13765-19-0
		Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), zinc salt (1:1)	13530-65-9
		Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), copper(2+) salt (1:1)	13548-42-0
		Chromic acid (H <sub>2</sub> CrO <sub>4</sub> ), barium salt (1:1)	10294-40-3
		C.I. Pigment Red 104	12656-85-8
		Dihydrogen(tetraoxidochromate)	7738-94-5
		Sodium chromate	7775-11-3
		Potassium chromate	7789-00-6
		Ammonium bichromate	7789-09-5
		Sodium dichromate dihydrate	7789-12-0
Sodium dichromate	10588-01-9		
79	Chloroform	Methane, trichloro-	67-66-3
68	Chloromethyl methyl ether		107-30-2
432	Cobalt and its inorganic compounds	Sulfuric acid, cobalt(2+) salt (1:1)	10124-43-3
69	Coal tar		8007-45-2
459	2-Methyloxirane	Propylene oxide	75-56-9
28	Carbon tetrachloride	Methane, tetrachloro-	56-23-5

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
518	1,4-Dioxane		123-91-1
80	1,2-Dichloroethane	Ethylene dichloride	107-06-2
70	3,3'-Dichloro-4,4'-diaminodiphenylmethane	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
548	Propane, 1,2-dichloro-	Propane, 1,2-dichloro-	78-87-5
435	Dichloromethane	Methylene chloride	75-09-2
565	Phosphoric acid, 2,2-dichloroethenyl dimethyl ester	Dichlorvos, DDVP	62-73-7
438	1,1-Dimethylhydrazine		57-14-7
67	Dichromic acid and its salts	Dichromic acid (H <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ) Dichromic acid (H <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ), potassium salt (1:2)	13530-68-2 7778-50-9
564	Styrene	Vinyl benzene	100-42-5
82	1,1,1,2-Tetrachloroethane		79-34-5
27	Tetrachloroethylene		127-18-4
26	Trichloroethylene	Trichloroethene	79-01-6
444	Naphthalene		91-20-3
71	Nickel compounds	Nickel oxide (NiO)	1313-99-1
72	Nickel carbonyl		13463-39-3
73	p-Dimethylaminoazobenzene		60-11-7
74	Arsenic and Arsenic compounds	Arsenic trioxide	1327-53-3
75	β-Propiolactone	2-Oxetanone	57-57-8
76	Benzene		71-43-2
77	Formaldehyde		50-00-0
78	Magenta	C.I. Basic Violet 14	632-99-5
521	Methyl isobutyl ketone	2-Pentanone, 4-methyl-	108-10-1
619	Refractory ceramic fibers	RCF	142844-00-6

#### Industrial Safety and Health Law, Ordinance on Prevention of Organic Solvent Poisoning /First-class organic solvents

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
81	1,2-Dichloroethylene		156-59-2
83	Carbon disulfide		75-15-0

#### Industrial Safety and Health Law, Ordinance on Prevention of Lead Poisoning / Lead compounds

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
84	Lead oxide	Lead oxide (Pb <sub>3</sub> O <sub>4</sub> ) Lead oxide (PbO) Lead oxide (PbO <sub>2</sub> )	1314-41-6 1317-36-8 1309-60-0
85	Lead hydroxide		39345-91-0
86	Lead chloride		7758-95-4
87	Lead carbonate	Carbonic acid, lead(2+) salt (1:1) Lead carbonate hydroxide (Pb <sub>3</sub> (CO <sub>3</sub> ) <sub>2</sub> (OH) <sub>2</sub> )	598-63-0 1319-46-6 1344-36-1
88	Lead silicate		10099-76-0
89	Lead sulfate	Lead sulfate Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))	7446-14-2 12036-76-9
67	Lead chromate	Lead chromate Lead sulfochromate yellow, C.I. Pigment Yellow 34 Dilead chromate oxide	7758-97-6 1344-37-2 18454-12-1
90	Lead titanate		12060-00-3
91	Lead borate	Boric acid (HBO <sub>2</sub> ), lead(2+) salt, monohydrate (8Cl, 9Cl)	10214-39-8
74	Lead arsenate	Lead arsenate Lead arsenite Lead hydrogen arsenate	3687-31-8 10031-13-7 7784-40-9
92	Lead nitrate		10099-74-8
93	Lead acetate	Acetic acid, lead(2+) salt (2:1) Lead, bis(acetato-κO)tetrahydroxytri- Lead (II) acetate, trihydrate Acetic acid, lead(4+) salt (4:1)	301-04-2 1335-32-6 6080-56-4 546-67-8
94	Lead stearate	Octadecanoic acid, lead(2+) salt (2:1) Octadecanoic acid, lead salt (1:?)	1072-35-1 7428-48-0

#### Poisonous and Deleterious Substances Control Law/Poisonous Substances

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
95	Ethylparanitrophenylthiono benzenephosphonate	EPN	2104-64-5
49	Yellow phosphorus	Tetraphosphorus	12185-10-3
96	Octachlorotetrahydro methanophthalan	Telodrine, Isobenzan	297-78-9
97	Octamethyl- pyrophosphoramidate	Schradan	152-16-9

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
98	Curare		8063-06-7
99	Tetraalkyl lead	Plumbane, tetramethyl- Plumbane, tetraethyl-	75-74-1 78-00-2
100	Hydrogen cyanide		74-90-8
101	Sodium cyanide		143-33-9
102	Diethyl-paranitrophenyl- thiophosphate	Parathion	56-38-2
103	Dinitro cresol	Phenol, 2-methyldinitro- 3,5-Dinitro-o-cresol 2,6-Dinitro-p-cresol 3,5-Dinitro-p-cresol 4,6-Dinitro-o-cresol	1335-85-9 497-56-3 609-93-8 63989-82-2 534-52-1
104	2,4-Dinitro-6-(1- methylpropyl)-phenol	Dinoseb	88-85-7
105	O, O-dimethyl-O-ethylmercaptoethyl thiophosphate	Demeton-methyl	8022-00-2
106	Dimethyl-(diethylamido-1- chlorocrotonyl)-phosphate	Phosphamidon	13171-21-6
107	Dimethylparanitrophenyl thiophosphate	Parathion, methyl-	298-00-0
108	Mercury		7439-97-6
109	Selenium		7782-49-2
110	Thiosemicarbazide	Hydrazinecarbothioamide	79-19-6
111	Tetraethylpyrophosphate	TEPP	107-49-3
112	Nicotine	Pyridine, 3-[(2S)-1-methyl-2-pyrrolidinyl]-	54-11-5
72	Nickel carbonyl		13463-39-3
74	Arsenic		7440-38-2
113	Hydrofluoric acid		7664-39-3
6	Hexachloro-epoxy- octahydro-endo,endo-dimethanonaphthalene	Endrine	72-20-8
114	Hexachloro-hexahydro- methano-benzo-dioxathiepine oxide	Benzoepin, Endosulfan	115-29-7
115	Monofluoroacetate	Fluoroacetic acid	144-49-0
116	Fluoroacetamide	Monofluoroacetamide	640-19-7
117	Phosphorus pentasulfide	Phosphorus sulfide	1314-80-3
118	Sodium azide		26628-22-8
119	Isopropyl nitrite		541-42-4
120	Butyl nitrite	Nitrous acid butyl ester	544-16-1
121	Abamectin		71751-41-2
122	3-Amino-1-propen	Allylamine	107-11-9
123	Allyl alcohol	2-Propen-1-ol	107-18-6
124	Alkanolammonium 2,4-dinitro-6-(1- methylpropyl)-phenol	(Hydoxyalkyl)ammonium 2-sec-butyl-4,6-dinitrophenolate	8048-12-2
125	O-Ethyl-O-(2- isopropoxycarbonylphenyl)- N-isopropylthiophosphoramidate	Isofenphos	25311-71-1
126	O-Ethyl S,S-dipropyl phosphorodithioate	Ethoprophos	13194-48-4
127	N-Ethyl-methyl-(2-chloro- 4-methylmercaptophenyl)-thiophosphoramidate	Amidothioate	54381-26-9
128	Benzensulfonyl chloride		98-09-9
129	Phosphorus oxychloride		10025-87-3
506	Tetramethyl orthosilicate		681-84-5
531	Crotonaldehyde	2-Butenal 2-Butenal, (2Z)- 2-Butenal, (2E)-	4170-30-3 15798-64-8 123-73-9
130	Chloroacetaldehyde		107-20-0
549	Methyl chloroacetate	Acetic acid, 2-chloro-, methyl ester	96-34-4
562	1-Chloro-2,4-dinitrobenzene	Benzene, 1-chloro-2,4-dinitro-	97-00-7
563	Phenyl chloroformate	Carbonochloridic acid, phenyl ester	1885-14-9
502	1,2-Propanediol, 3-chloro-		96-24-2
131	Phosphorus pentachloride		10026-13-8
132	Boron trichloride		10294-34-5
133	Phosphorus trichloride		7719-12-2
134	Boron trifluoride		7637-07-2
135	Phosphorous trifluoride		7783-55-3
136	Diacetoxypropene	Allylidene di(acetate)	869-29-4

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
137	Cyanide compounds,inorganic	Cyanogen chloride ((CN)Cl)	506-77-4
		Mercury cyanide oxide (Hg <sub>2</sub> (CN) <sub>2</sub> O)	1335-31-5
		Ethanedinitrile	460-19-5
		Zinc cyanide (Zn(CN) <sub>2</sub> )	557-21-1
		Cadmium cyanide (Cd(CN) <sub>2</sub> )	542-83-6
		Potassium cyanide (K(CN))	151-50-8
		Calcium cyanide (Ca(CN) <sub>2</sub> )	592-01-8
		Silver cyanide (Ag(CN))	506-64-9
		Argentate(1-), bis(cyano-kappa.C)-, potassium (1:1)	506-61-6
		Cobaltate(3-), hexakis(cyano-kappa.C)-, potassium (1:3), (OC-6-11)-	13963-58-1
		Cyanogen bromide ((CN)Br)	506-68-3
		Gold cyanide (Au(CN))	506-65-0
		Aurate(1-), bis(cyano-kappa.C)-, potassium (1:1)	13967-50-5
		Copper cyanide (Cu(CN))	544-92-3
		Mercury cyanide (Hg(CN) <sub>2</sub> )	592-04-1
		Copper dicyanide	14763-77-0
		Cuprate(2-), tris(cyano-kappa.C)-, sodium (1:2)	14264-31-4
		Lead cyanide	592-05-2
		Nickel cyanide (Ni(CN) <sub>2</sub> )	557-19-7
		Nickelate(2-), tetrakis(cyano-kappa.C)-, potassium (1:2), (SP-4-1)-	14220-17-8
Thiocyanic acid, lead(2+) salt (2:1)	592-87-0		
Iodine cyanide (I(CN))	506-78-5		
138	Diethyl-S-(ethylthioethyl)- dithiophosphate	Disulfoton	298-04-4
139	Diethyl-S-(2-chloro-1- phthalimidoethyl)- dithiophosphate	Dialifor	10311-84-9
140	Diethyl-(1,3- dithiocyclopentylidene)- thiophosphoramidate	Phosfolan	333-29-9
141	Diethyl-p-dimethylaminosulfonylphenylthiophosphate		—
142	Diethyl-4- methylsulfinylphenyl- thiophosphate	Fensulfotion	115-90-2
143	1,3-Dichloropropane-2-ol		96-23-1
507	2,3-Dicyano-1,4-dithiaanthraquinone	Delan, Dithianon	3347-22-6
144	Dinitroresol salts	Phenol, 2-methyl-4,6-dinitro-, sodium salt (1:1)	2312-76-7
145	Dinitrophenol	Dinitrophenol 2,4-Dinitrophenol	25550-58-7 51-28-5
146	2-Diphenylacetyl-1,3- indandione	Diphacinone	82-66-6
147	Sulfur tetrafluoride		7783-60-0
148	Diborane		19287-45-7
149	Dimethyl- (isopropylthioethyl)- dithiophosphate	Isothioate	36614-38-7
150	1,1'-Dimethyl-4,4'-dipyridinium hydroxide and its salts	1,1'-Dimethyl-4,4'-bipyridine-1,1'-dium dichloride 1,1'-Dimethyl-4,4'-bipyridine-1,1'-dium	1910-42-5 4685-14-7
438	1,1-Dimethylhydrazine	Hydrazine, 1,1-dimethyl-	57-14-7
151	2,2-Dimethyl-Propanoyl chloride		3282-30-2
152	2,2-Dimethyl-1,3- benzodioxol-4-yl-N- methylcarbamate	Bendiocarb	22781-23-3
153	Mercury compounds	Cadmium mercury sulfide	1345-09-1
		Mercurate(1-), ethyl[2-(mercapto-kappa.S) benzoato(2-)-kappa.O]-, sodium (1:1)	54-64-8
		Ethylmercuric chloride	107-27-7
		Mercury chloride (HgCl <sub>2</sub> )	7487-94-7
		Mercurymethylchloride	115-09-3
		Mercury oxide (HgO)	21908-53-2
		Mercurous acetate	631-60-7
		Acetic acid, mercury(2+) salt (2:1)	1600-27-7
		Mercury oxide (Hg <sub>2</sub> O)	15829-53-5
		Methyl mercury dicvandiamide	502-39-6
		Diisopropylmercury	1071-39-2
		Mercury, diethyl-	627-44-1
		Mercury, dibutyl-	629-35-6
		Di-sec-butylmercury	691-88-3
		Dipropyl-1-ylmercury	628-85-3
		Diheptan-1-ylmercury	51622-02-7
		Mercury, dimethyl-	593-74-8
		Mercury bromide (HgBr <sub>2</sub> )	7789-47-1
		Mercury bromide (HgBr)	10031-18-2
		Nitric acid, mercury(1+) salt monohydrate	7782-86-7

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
153	Mercury compounds	Methylmercury hydroxide	1184-57-2
		Thiocyanic acid, mercury(2+) salt (2:1)	592-85-8
		Mercury, (acetato- $\kappa$ .O)phenyl-	62-38-4
		Butan-1-yl(chloro)mercury	543-63-5
		Dihydrogen [orthoborato(3-)-O]phenylmercurate (2-)	102-98-7
		Nitric acid, mercury(2+) salt (2:1)	10045-94-0
		Methylmercury	22967-92-6
		Sulfuric acid, mercury(2+) salt (1:1)	7783-35-9
		Mercury iodide (HgI <sub>2</sub> )	7774-29-0
		Bis(ethylmercury) hydrogen phosphate	2440-45-1
Mercurate(2-), tetraiodo-, potassium (1:2), (T-4)-	7783-33-7		
154	Strychnine and its salts	Strychnidin-10-one	57-24-9
		Strychnidin-10-one mononitrate	66-32-0
155	Selenium compounds	Selenious acid	7783-00-8
		Dithallium selenite	15123-92-9
		Selenious acid, sodium salt (1:2)	10102-18-8
		Disodium selenite pentahydrate	26970-82-1
		Selenious acid, barium salt (1:1)	13718-59-7
		Seleninyl chloride	7791-23-3
		C.I. Pigment Red 108	58339-34-7
		Selenium sulfide	7446-34-6
		Cadmium selenide sulfide (Cd(Se,S))	12626-36-7
		Cadmium selenide sulfide (Cd <sub>2</sub> SeS)	12214-12-9
		Selenium hexafluoride	7783-79-1
		Hydrogen selenide (H <sub>2</sub> Se)	7783-07-5
		Selenic acid	7783-08-6
		Selenic acid, sodium salt (1:2)	13410-01-0
Selenium oxide (SeO <sub>2</sub> )	7446-08-4		
Selenium sulfide (SeS <sub>2</sub> )	7488-56-4		
156	2,3,5,6-Tetrafluoro-4- methylbenzyl (Z)- (1R,3RS)-3-(2-chloro- 3,3,3-trifluoro-1-propenyl- 2,2-dimethylcyclopropanecarboxylate	Tefluthrin	79538-32-2
550	Tetramethylammonium hydroxide	Methanaminium, N,N,N-trimethyl-, hydroxide (1:1)	75-59-2
157	n-Dodecylguanidine acetate	Dodine	2439-10-3
509	Tributylamine	1-Butanamine, N,N-dibutyl-	102-82-9
158	Narasin	4-Methylsalinomycin	55134-13-9
159	Salts of nicotine	Nicotine salicylate	29790-52-1
		Nicotine dihydrogen ditartrate	65-31-6
		Monosulfate of bis[(S)-3-(1-methylpyrrolidin-2-yl)pyridine]	65-30-5
160	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate	Cadusafos	95465-99-9
74	Arsenic compounds	Copper acetoarsenite	12002-03-8
		Acetarsol	97-44-9
		Arsenic oxide (As <sub>2</sub> O <sub>3</sub> )	1327-53-3
		Calcium arsenite (2:1)	15194-98-6
		Calcium arsenite (2:3)	27152-57-4
		Ferric arsenite	63989-69-5
		Copper arsenite	10290-12-7
		Arsenous acid, sodium salt (1:1)	7784-46-5
		Lead arsenite	10031-13-7
		Alkyl arsenic compounds	—
		Arsine	7784-42-1
		Arsinic acid, As-As-dimethyl-	75-60-5
		[4-[(2-Amino-2-oxoethyl)amino]phenyl]arsonic acid	618-25-7
		2-Chlorovinyl-dichloroarsine oxide	333-25-5
		Arsenic pentachloride	22441-45-8
		Arsenic oxide (As <sub>2</sub> O <sub>5</sub> )	1303-28-2
		Arsorane, pentafluoro-	7784-36-3
		Arsenous trichloride	7784-34-1
		Arsenous tribromide	7784-33-0
		Arsenous trifluoride	7784-35-2
		Arsenous dichloride, As-methyl-	593-89-5
		Arsenous dichloride, As-phenyl-	696-28-6
		Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> )	7778-39-4
Arsenic acid	10102-53-1		
Zinc arsenate	1303-39-5		

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
74	Arsenic compounds	Ammonium arsenate	7784-44-3
		Arsenic acid (H3AsO4), potassium salt (1:1)	7784-41-0
		Arsenic acid (H3AsO4), calcium salt (2:3)	7778-44-1
		Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	24719-19-5
		Arsenic acid (H3AsO4), sodium salt (1:2)	7778-43-0
		Ferrous arsenate	10102-50-8
		Ferric arsenate	10102-49-5
		Disodium hydrogen arsenate	10048-95-0
		Arsenic acid (H3AsO4), sodium salt (1:?)	7631-89-2
		Lead arsenate	3687-31-8
		Arsenic acid (H3AsO4), lead(2+) salt (1:1)	7784-40-9
		Lead hydrogenarsenate	13510-91-3
		Arsenic acid (H3AsO4), magnesium salt (1:?)	10103-50-1
		Arsonic acid, As-phenyl-	98-05-5
		Zinc arsenite	10326-24-6
		Potassium arsenite	10124-50-2
Arsenous acid, potassium salt (1:1)	13464-35-2		
Arsenic sulfide (As2S3)	1303-33-9		
	Arsenate(1-), hexafluoro-, lithium (1:1)	29935-35-1	
161	Hydrazine		302-01-2
162	Butyl 2,3-dihydro-2,2-dimethylbenzofuran-7-yl N,N'-dimethyl-N,N'-thiodicarbamate	Furathiocarb	65907-30-4
163	Sulfuryl fluoride		2699-79-8
164	Fluorosulfonic acid		7789-21-1
503	Benzeneethanamine, 4-fluoro-alpha-methyl- and its salts	Benzeneethanamine, 4-fluoro-alpha-methyl-	459-02-9
		Benzeneethanamine, 4-fluoro-alpha-methyl-, hydrochloride (1:1)	64609-06-9
165	7-Bromo-6-chloro-3-[3-[(2R,3S)-3-hydroxy-2-piperidyl]-2-oxopropyl]-4(3H)-quinazolinone, 7-Bromo-6-chloro-3-[3-[(2S,3R)-3-hydroxy-2-piperidyl]-2-oxopropyl]-4(3H)-quinazolinone	Halofuginone	55837-20-2
551	Ethyl bromoacetate	Acetic acid, 2-bromo-, ethyl ester	105-36-2
510	1,1,1,3,3,3-Hexakis(2-methyl-2-phenylpropyl)distannoxane	Distannoxane, 1,1,1,3,3,3-hexakis(2-methyl-2-phenylpropyl)-	13356-08-6
166	Hexachlorocyclopentadiene	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	77-47-4
167	Benzenethiol	Mercaptobenzene, Thiophenol	108-98-5
168	Phosgene	Carbonic dichloride, Carbonyl dichloride	75-44-5
169	Methylcyclohexyl-4- chlorophenylthiophosphate	MHCP	2346-99-8
170	Methyl-N,N'-dimethyl-N- [(methylcarbamoyl)oxy]-1- thiooxamimidate	Oxamyl	23135-22-0
171	Methylphosphonic acid dichloride		676-97-1
172	S-Methyl-N-[(methylcarbamoyl)-oxy]thioacetimidate	Methomyl	16752-77-5
173	Methyl mercaptan	Methanethiol	74-93-1
174	Methylenebis(1- thiosemicarbazide)	Bisthiosemi	39603-48-0
175	2-Mercaptoethanol		60-24-2
176	Sodium monofluoro acetates	Acetic acid, 2-fluoro-,sodium salt (1:1)	62-74-8
177	Aluminium phosphide		20859-73-8
178	Hydrogen phosphide	Phosphine	7803-51-2
179	Tungsten hexafluoride	Tungsten fluoride	7783-82-6

#### Carcinogen

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
180	Azathioprine		446-86-6
52	Asbestos	Asbestos	1332-21-4
		Chrysotile	132207-32-0
		Asbestos, crocidolite	12001-28-4
		Asbestos, chrysotile	12001-29-5
		Asbestos, amosite	12172-73-5
		Asbestos, actinolite	77536-66-4
		Asbestos, anthophyllite	77536-67-5
		Asbestos, Tremolite	77536-68-6
181	Aflatoxins (naturally occurring mixtures of)		1402-68-2
51	4-Aminobiphenyl		92-67-1
182	Salts of 4-aminobipheny		—
64	Ethylene oxide	Oxirane	75-21-8
183	Erionite		12510-42-8
			66733-21-9



NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
65	Vinyl chloride	Chloroethylene	75-01-4
184	Cadmium and cadmium compounds	Cadmium	7440-43-9
		Cadmium sulfide (CdS)	1306-23-6
		Cadmium Yellow	—
		Cadmium Orange	12656-57-4
		Cadmium Maroon, Cadmium Red	58339-34-7
		C.I. Pigment Red 113 (Mercialite, Mercadium)	1345-09-1
	Octadecanoic acid, cadmium salt (2:1)	2223-93-0	
67	Zinc chromates including zinc potassium chromate		—
185	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea	Methyl-CCNU; Semustine	13909-09-6
68	Chlormethyl methyl ether	Chlorodimethyl ether	107-30-2
187	Coal-oil, low-temp.		65996-90-9
188	Coal-tar, high-temp.		65996-89-6
189	Coal-tar pitches		65996-93-2
69	Coal-tars		8007-45-2
74	Arsenic pentoxide	Arsenic oxide, Diarsenic pentoxide	1303-28-2
74	Arsenic trioxide	Diarsenic trioxide	1327-53-3
190	Shale-oils		68308-34-9
191	Diethylstilboestrol		56-53-1
192	Cyclosporine	Ciclosporin	79217-60-0
193	Cyclophosphamide		50-18-0
			6055-19-2
70	2,2'-dichloro-4,4'-methylenedianiline	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
194	Soots		—
195	Silica crystalline	Quartz (SiO <sub>2</sub> )	14808-60-7
		Cristobalite (SiO <sub>2</sub> )	14464-46-1
		Tridymite (SiO <sub>2</sub> )	15468-32-3
		Tripoli (SiO <sub>2</sub> )	1317-95-9
196	Tamoxifen		10540-29-1
197	Talc containing asbestiform fibres		—
198	Thiotepa		52-24-4
199	2,3,7,8-Tetrachlorodibenzo-para-dioxin		1746-01-6
74	Triethyl arsenate		15606-95-8
200	o-Toluidine	2-Aminotoluene	95-53-4
201	Treosulfan		299-75-2
55	2-Naphthylamine		91-59-8
202	Salts of 2-naphthylamine	2-Naphthylammoniumacetat	553-00-4
203	2-naphthylammonium chloride		612-52-2
71	Nickel compounds	Nickel oxide (NiO)	1313-99-1
		Nickel oxide (Ni <sub>2</sub> O <sub>3</sub> )	1314-06-3
		Nickel sulfide (Ni <sub>3</sub> S <sub>2</sub> )	12035-72-2
		Nickel oxide (NiO <sub>2</sub> )	12035-36-8
		Hexanoic acid, 2-ethyl-, nickel salt (1:?)	7580-31-6
		C.I. Pigment Yellow 53	8007-18-9
		C.I. Pigment Yellow 150	68511-62-6
		C.I. Pigment Yellow 153	29204-84-0
		C.I. Pigment Yellow 157	68610-24-2
		C.I. Pigment Black 25	68186-89-0
	Asphalt	8052-42-4	
74	Gallium arsenide		1303-00-0
74	Arsenic acid and its salts		—
74	Lead hydrogen arsenate		7784-40-9
204	4-[p-Bis(2-chloroethyl)aminophenyl]butyric acid	Chlorambucil	305-03-3
205	Bis(2-chloroethyl)sulfide	Mustard gas (Sulfur mustard)	505-60-2
206	N,N-Bis(2-chloroethyl)-2-naphthylamine	Chlornaphazine	494-03-1
54	Bis(chloromethyl)ether and chloromethyl methyl ether		542-88-1
74	Arsenic		7440-38-2
207	1,4-Butanediol dimethanesulfonate	Basulfan	55-98-1
208	Tar brown-coal		101316-83-0
209	Tar, brown-coal, low-temp.		101316-84-1
61	Beryllium and beryllium compounds	Beryllium	7440-41-7
50	Benzidine		92-87-5
210	Dyes metabolized to benzidine		—

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
50	Salts of benzidine	[1,1'-Biphenyl]-4,4'-diamine, hydrochloride (1:2)	531-85-1
		[[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	531-86-2
		Benzidine sulphate	21136-70-9
		Benzidine acetate	36341-27-2
76	Benzene		71-43-2
211	Benzo[a]pyrene	Benzo[def]chrysene	50-32-8
77	Formaldehyde	Methanal	50-00-0
212	Mineral oils, untreated and mildly treated		—
213	7H-Furo[3,2-g][1]benzopyran-7-one, 9-methoxy-	Methoxsalen	298-81-7
214	Melphalan	L-Phenylalanine Mustard	148-82-3
215	Sulfuric acid		7664-93-9
216	Distillates (petroleum), chemically neutralized light naphthenic, Unrefined or mildly refined baseoil		64742-35-4
217	Distillates (petroleum), chemically neutralized light paraffinic, Unrefined or mildly refined baseoil		64742-28-5
218	Distillates (petroleum), chemically neutralized heavy naphthenic, Unrefined or mildly refined baseoil		64742-34-3
219	Distillates (petroleum), chemically neutralized heavy paraffinic, Unrefined or mildly refined baseoil		64742-27-4
220	Distillates (petroleum), light naphthenic, Unrefined or mildly refined baseoil		64741-52-2
221	Distillates (petroleum), light paraffinic, Unrefined or mildly refined baseoil		64741-50-0
222	Distillates (petroleum), acid-treated light paraffinic, Unrefined or mildly refined baseoil		64742-21-8
223	Distillates (petroleum), acid-treated light naphthenic, Unrefined or mildly refined baseoil		64742-19-4
224	Distillates (petroleum), acid-treated heavy naphthenic, Unrefined or mildly refined baseoil		64742-18-3
225	Distillates (petroleum), acid-treated heavy paraffinic, Unrefined or mildly refined baseoil		64742-20-7
226	Distillates (petroleum), heavy naphthenic, Unrefined or mildly refined baseoil		64741-53-3
227	Distillates (petroleum), heavy paraffinic, Unrefined or mildly refined baseoil		64741-51-1
228	Phosphorus-32, as phosphate		—
67	Chromium(VI) compounds	Chromium trioxide (CrO3)	1333-82-0
229	Acrylamide	Prop-2-enamide	79-06-1
230	Acrylonitrile		107-13-1
231	2-Amino-3-methylimidazo[4,5-f]quinoline	IQ	76180-96-6
232	N-Ethyl-N-nitrosourea		759-73-9
233	1-Chloro-2,3-epoxypropane	Epichlorhydrin	106-89-8
		(R)-1-Chloro-2,3-epoxypropane	51594-55-9
234	(Epoxyethyl)benzene	Phenyloxirane, styrene oxide	96-09-3
235	2,3-Epoxypropan-1-ol	Glycidol, oxiranemethanol	556-52-5
		R-2,3-Epoxypropan-1-ol	57044-25-4
236	Dimethylcarbonyl chloride		79-44-7
237	Benzal chloride	Benzene, (dichloromethyl)-	98-87-3
238	Ethyl carbamate	Urethane	51-79-6
239	Creosote, [The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases.]		8001-58-9
240	4-Chloro-2-methylaniline	4-Chloro-o-toluidine	95-69-2
241	Dibenz[a,h]anthracene		53-70-3
242	Dibenzo[def,p]chrysene		191-30-0
243	1,2-Dimethylhydrazine		540-73-8
244	Bromoethylene		593-60-2
245	1,2-Dibromoethane		106-93-4
246	C.I. Direct brown 95	Disodium [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate(4-)]cuprate(2-)	16071-86-6
247	Direct Black 38	2,7-Naphthalenedisulfonic acid, 4-amino-3-[2-[4'-[2-(2,4-diaminophenyl)diazenyl][1,1'-biphenyl]-4-yl]diazenyl]-5-hydroxy-6-(2-phenyldiazenyl)-, sodium salt (1:2)	1937-37-7

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
248	C.I. Direct blue 6	Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	2602-46-2
249	1,2,3,6-Tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalimide	Captafol	2425-06-1
26	Trichloroethylene	Trichloroethene	79-01-6
250	1,2,3-trichloropropane		96-18-4
251	N-Nitrosodiethylamine	Diethylnitrosoamine	55-18-5
252	N-Nitrosodimethylamine	Dimethylnitrosoamine	62-75-9
253	Vinyl fluoride		75-02-5
62	Benzotrichloride	$\alpha, \alpha, \alpha$ -trichlorotoluene	98-07-7
254	Benzyl chloride	$\alpha$ -Chlorotoluene	100-44-7
1	Polychlorinated biphenyls	PCBs	1336-36-3
255	Methyl methanesulphonate		66-27-3
256	1-methyl-1-nitrosourea		684-93-5
257	1-Methyl-3-nitro-1-nitrosoguanidine		70-25-7
258	Diethylsulphate		64-67-5
259	Dimethylsulphate		77-78-1
260	Tris(2,3-dibromopropyl) phosphate		126-72-7
512	2,2'-bioxirane		1464-53-5
513	Bleomycins		11056-06-7
514	Acetaldehyde		75-07-0
515	Dibenz[a,j]acridine		224-42-0
516	Perchloroethane	Ethane, 1,1,1,2,2,2-hexachloro-	67-72-1
517	Nitrobenzene	Benzene, nitro-	98-95-3
518	1,4-Dioxane		123-91-1
519	Chloroprene	1,3-Butadiene, 2-chloro-	126-99-8
435	Dichloromethane	Methylene chloride	75-09-2
445	2-Nitrotoluene		88-72-2
459	2-Methyloxirane	Propylene oxide	75-56-9
528	Quinoline		91-22-5
566	Bromodichloromethane	Methane, bromodichloro-	75-27-4
567	2,4,6-Trichlorophenol	Phenol, 2,4,6-trichloro-	88-06-2
568	N,N,N',N'-Tetramethyl-4,4'-methylenedianiline	Benzenamine, 4,4'-methylenebis[N,N-dimethyl-	101-61-1
569	Azobenzene	Diazene, 1,2-diphenyl-	103-33-3
570	Hydrazobenzene	Hydrazine, 1,2-diphenyl-	122-66-7
571	Benzo(k)fluoranthene		207-08-9
572	Chrysene		218-01-9
573	Nitrosodipropylamine	1-Propanamine, N-nitroso-N-propyl-	621-64-7
574	N-nitrosodibutylamine	1-Butanamine, N-butyl-N-nitroso-	924-16-3
575	1-nitropyrene	Pyrene, 1-nitro-	5522-43-0
576	6-Nitrochrysene		7496-02-8
577	1,2-Oxathiolane 2,2-dioxide		1120-71-4

**Law Concerning the Protection of the Ozone Layer through the Control of Specified Substances and other Measures Specified Substances(Substances that Deplete the Ozone Layer)**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
<b>The Montreal Protocol/Annex A: Controlled Substances Group 1</b>			
261	Trichlorofluoromethane	(CFC-11)	75-69-4
262	Dichlorodifluoromethane	(CFC-12)	75-71-8
263	Trichlorotrifluoroethane	(CFC-113)	26523-64-8
264	Dichloro tetrafluoroethane	(CFC-114)	1320-37-2
265	Chloropentafluoroethane	(CFC-115)	76-15-3
<b>The Montreal Protocol/Annex A: Controlled Substances Group 2</b>			
266	Bromochlorodifluoromethane	(halon-1211)	353-59-3
267	Bromotrifluoromethane	(halon-1301)	75-63-8
268	Dibromotetrafluoroethane	(halon-2402)	25497-30-7 124-73-2
<b>The Montreal Protocol/Annex B: Controlled Substances Group 1</b>			
269	Chlorotrifluoromethane	(CFC-13)	75-72-9
270	Pentachlorofluoroethane	(CFC-111)	354-56-3
271	Tetrachlorodifluoroethane	(CFC-112)	28605-74-5
272	Heptachlorofluoropropane	(CFC-211)	135401-87-5 422-78-6 422-81-1

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
273	Hexachlorodifluoropropane	(CFC-212)	1645-71-2 3182-26-1 661-96-1
274	Pentachlorotrifluoropropane	(CFC-213)	134237-31-3
275	Tetrachlorotetrafluoropropane	(CFC-214)	29255-31-0
276	Trichloropentafluoropropane	(CFC-215)	1652-81-9 28109-69-5 4259-43-2
277	Dichlorohexafluoropropane	(CFC-216)	42560-98-5
278	Chloroheptafluoropropane	(CFC-217)	422-86-6 76-18-6

The Montreal Protocol/Annex B: Controlled Substances Group 2

28	Tetrachloromethane	Carbon tetrachloride	56-23-5
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The Montreal Protocol/Annex B: Controlled Substances Group 3

279	Methylchloroform	1,1,1-Trichloroethane	71-55-6
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The Montreal Protocol/Annex C: Controlled Substances Group 1

280	Dichlorofluoromethane	(HCFC-21)	75-43-4
281	Chlorodifluoromethane	(HCFC-22)	75-45-6
282	Chlorofluoromethane	(HCFC-31)	593-70-4
283	Tetrachlorofluoroethane	(HCFC-121)	134237-32-4
284	Trichlorodifluoroethane	(HCFC-122)	—
285	Dichlorotrifluoroethane	1,2,2-Trichloro-1,1-difluoroethane (HCFC-123) 2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)	134237-33-5 306-83-2
286	Chlorotetrafluoroethane	Chlorotetrafluoroethane (HCFC-124) 2-Chloro-1,1,1,2-tetrafluoro-ethane (HCFC-124)	63938-10-3 2837-89-0
287	Trichlorofluoroethane	(HCFC-131)	134237-34-6
288	Dichlorodifluoroethane	(HCFC-132)	25915-78-0
289	Chlorotrifluoroethane	(HCFC-133)	1330-45-6
290	Dichlorofluoroethane	Dichloro(fluoro)ethane (HCFC-141) 1,1-Dichloro-1-fluoro-ethane (HCFC-141b)	25167-88-8 1717-00-6
291	Chlorodifluoroethane	Chloro(difluoro)ethane (HCFC-142) 1-Chloro-1,1-difluoroethane (HCFC-142b)	25497-29-4 75-68-3
292	Chlorofluoroethane	(HCFC-151)	110587-14-9
293	Hexachlorofluoropropane	(HCFC-221)	134237-35-7
294	Pentachlorodifluoropropane	(HCFC-222)	134237-36-8
295	Tetrachlorotrifluoropropane	(HCFC-223)	134237-37-9
296	Trichlorotetrafluoropropane	(HCFC-224)	134237-38-0
297	Dichloropentafluoropropane	Dichloropentafluoropropane (HCFC-225) 1,1-dichloro-2,2,3,3,3-pentafluoropropane (HCFC-225ca) 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	127564-92-5 422-56-0 507-55-1
298	Chlorohexafluoropropane	(HCFC-226)	134308-72-8
299	Pentachlorofluoropropane	(HCFC-231)	134190-48-0
300	Tetrachlorodifluoropropane	(HCFC-232)	134237-39-1
301	Trichlorotrifluoropropane	(HCFC-233)	134237-40-4
302	Dichlorotetrafluoropropane	(HCFC-234)	127564-83-4
303	Chloropentafluoropropane	(HCFC-235)	134237-41-5
304	Tetrachlorofluoropropane	(HCFC-241)	134190-49-1
305	Trichlorodifluoropropane	(HCFC-242)	134237-42-6
306	Dichlorotrifluoropropane	(HCFC-243)	134237-43-7
307	Chlorotetrafluoropropane	(HCFC-244)	134190-50-4
308	Trichlorofluoropropane	(HCFC-251)	134190-51-5
309	Dichlorodifluoropropane	(HCFC-252)	134190-52-6
310	Chlorotrifluoropropane	(HCFC-253)	134237-44-8
311	Dichlorofluoropropane	(HCFC-261)	134237-45-9
312	Chlorodifluoropropane	(HCFC-262)	134190-53-7
313	Chlorofluoropropane	(HCFC-271)	134190-54-8

The Montreal Protocol/Annex C: Controlled Substances Group 2

314	Dibromofluoromethane		1868-53-7
315	Bromodifluoromethane	(HBFC-22B1)	1511-62-2
316	Bromofluoromethane		373-52-4
317	Tetrabromofluoroethane		306-80-9
318	Tribromodifluoroethane		—
319	Dibromotrifluoroethane		354-04-1
320	Bromotetrafluoroethane		—
321	Tribromofluoroethane		598-67-4

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
322	Dibromodifluoroethane		75-82-1
323	Bromotrifluoroethane		421-06-7
324	Dibromofluoroethane		358-97-4
325	Bromodifluoroethane		1800-81-3 359-07-9 420-43-9
326	Bromofluoroethane		762-49-2
327	Hexabromofluoropropane		—
328	Pentabromodifluoropropane		—
329	Tetrabromotrifluoropropane		—
330	Tribromotetrafluoropropane		—
331	Dibromopentafluoropropane		431-78-7 661-80-3 70192-61-9
332	Bromohexafluoropropane		2252-79-1
333	Pentabromofluoropropane		—
334	Tetrabromodifluoropropane		—
335	Tribromotrifluoropropane		—
336	Dibromotetrafluoropropane		—
337	Bromopentafluoropropane		460-88-8 422-01-5 679-94-7
338	Tetrabromofluoropropane		148875-95-0
339	Tribromodifluoropropane		70192-80-2
340	Dibromotrifluoropropane		110003-27-5 431-21-0 70192-73-3 70192-83-5
341	Bromotetrafluoropropane		679-84-5 70192-71-1 70192-84-6
342	Tribromofluoropropane		75372-14-4
343	Dibromodifluoropropane		460-25-3
344	Bromotrifluoropropane		460-32-2 421-46-5 70192-75-5 70192-85-7
345	Dibromofluoropropane		51584-26-0
346	Bromodifluoropropane		111483-20-6 420-98-4
347	Bromofluoropropane		352-91-0

The Montreal Protocol on Substances that Deplete the Ozone Layer/Annex C: Controlled Substances Group III

348	Bromochloromethane	Chlorobromomethane	74-97-5
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The Montreal Protocol on Substances that Deplete the Ozone Layer/Annex E: Controlled Substances Group I

349	Bromomethane	Methyl bromide	74-83-9
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Law Concerning Special Measures against Dioxins / Dioxins

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
350	Polychlorinated dibenzofurans		—
199	Polychlorodibenzo-para-dioxins		—
351	Co-planar polychlorinated biphenyls		—

Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals (Chemical Weapons Convention)

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
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Annex on Chemicals/ Schedule 1/ A. Toxic chemicals

352	O-Alkyl (<C10, incl. cycloalkyl) alkyl(Me, Et, n-Pr or i-Pr)-phosphonofluoridates	O-Isopropyl methylphosphonofluoridate(Sarin) O-Pinacolyl methylphosphonofluoridate(Soman)	107-44-8 96-64-0
353	O-Alkyl (<C10, incl. cycloalkyl) N,N-dialkyl(Me, Et, n-Pr or i-Pr) phosphoramidocyanidates	O-Ethyl N,N-dimethyl phosphoramidocyanidate(Tabun)	77-81-6

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
354	O-Alkyl (<C10, incl. cycloalkyl) S-2-dialkyl(Me, Et, n-Pr or i-Pr)-aminoethyl alkyl(Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts	O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate(VX)	50782-69-9
355	S-2-dialkyl(Me, Et, n-Pr or i-Pr)-aminoethyl alkyl(Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts		—

#### Sulfur mustards

356	2-Chloroethylchloromethylsulfide		2625-76-5
205	Bis(2-chloroethyl)sulfide	Mustard gas	505-60-2
357	Bis(2-chloroethylthio)methane		63869-13-6
358	1,2-Bis(2-chloroethylthio)ethane	Sesquimustard	3563-36-8
359	1,3-Bis(2-chloroethylthio)-n-propane		63905-10-2
360	1,4-Bis(2-chloroethylthio)-n-butane		142868-93-7
361	1,5-Bis(2-chloroethylthio)-n-pentane		142868-94-8
362	Bis(2-chloroethylthiomethyl)ether		63918-90-1
363	Bis(2-chloroethylthioethyl)ether	O-Mustard	63918-89-8

#### Lewisites

364	2-Chlorovinylchloroarsine	Lewisite 1	541-25-3
365	Bis(2-chlorovinyl)chloroarsine	Lewisite 2	40334-69-8
366	Tris(2-chlorovinyl)arsine	Lewisite 3	40334-70-1

#### Nitrogen mustards

367	Bis(2-chloroethyl)ethylamine	HN1	538-07-8
368	Bis(2-chloroethyl)methylamine	HN2	51-75-2
369	Tris(2-chloroethyl)amine	HN3	555-77-1

#### others

370	Saxitoxin		35523-89-8
371	Ricin		9009-86-3

#### Schedule 2/ A. Toxic chemicals

372	O,O-Diethyl S-[2-(diethylamino)ethyl]phosphorothiolate and corresponding alkylated or protonated salts	Amiton	78-53-5
373	1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene	PFIB	382-21-8
374	3-Quinuclidinyl benzilate	BZ	6581-06-2

#### Schedule 3/ A. Toxic chemicals

168	Phosgene	Carbonyl dichloride, Carbonic dichloride	75-44-5
137	Cyanogen chloride		506-77-4
100	Hydrogen cyanide		74-90-8
375	Chloropicrin	Trichloronitromethane	76-06-2

#### Stockholm Convention (POPs Convention)/Persistent Organic Pollutants (POPs)

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
4	Aldrin		309-00-2
5	Dieldrin		60-57-1
6	Endrin		72-20-8
3	Hexachlorobenzene	HCB	118-74-1
8	Chlordane		57-74-9
8	Heptachlor		76-44-8
12	Toxaphene		8001-35-2
13	Mirex		2385-85-5
1	Polychlorinated biphenyls	PCBs	1336-36-3
25	Tetrabromodiphenyl ether		40088-47-9
	Pentabromodiphenyl ether		32534-81-9
23	Chlordecone	Kepone, Decachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one	143-50-0
24	Hexabromobiphenyl		36355-01-8
22	Lindane	γ-Hexachlorocyclohexane	58-89-9
20	alpha-Hexachlorocyclohexane		319-84-6
21	beta-Hexachlorocyclohexane		319-85-7
25	Hexabromodiphenyl ether		36483-60-0
	Heptabromodiphenyl ether		68928-80-3
19	Pentachlorobenzene		608-93-5
114	Hexachloro-hexahydro-methano-benzo-dioxathiepine oxide	Endosulfan, Benzoepin	115-29-7 959-98-8 33213-65-9

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
413	Hexabromocyclododecane	HBCCD	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
2	Polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene	Naphthalene, 1,2,3,4,5,6,7,8-octachloro- Naphthalene, tetrachloro- Naphthalene, trichloro- Naphthalene, hexachloro- Naphthalene, heptachloro- Naphthalene, pentachloro- Naphthalene, dichloro-	2234-13-1 1335-88-2 1321-65-9 1335-87-1 32241-08-0 1321-64-8 28699-88-9
15	Hexachlorobutadiene		87-68-3
382	Pentachlorophenol and its salts and esters	Pentachlorophenol	87-86-5
7	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	DDT	50-29-3
17	Perfluoro(octane-1-sulfonic acid) and its salts	Perfluorooctane sulfonate acid(PFOS)	1763-23-1
18	Perfluorooctane-1-sulfonyl fluoride	PFOSF	307-35-7
199	Polychlorinated dibenzo-p-dioxins	PCDDs	—
350	Polychlorinated dibenzofurans	PCDFs	—
1	Polychlorinated biphenyls	PCBs	1336-36-3
3	Hexachlorobenzene	HCB	118-74-1
19	Pentachlorobenzene		608-93-5
2	Polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene	Naphthalene, 1,2,3,4,5,6,7,8-octachloro- Naphthalene, tetrachloro- Naphthalene, trichloro- Naphthalene, hexachloro- Naphthalene, heptachloro- Naphthalene, pentachloro- Naphthalene, dichloro-	2234-13-1 1335-88-2 1321-65-9 1335-87-1 32241-08-0 1321-64-8 28699-88-9

#### Rotterdam Convention (PIC Convention)/Substances subject to the Pic Convention

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
376	2,4,5-T and its salts and esters		93-76-5
504	Alachlor	Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(methoxymethyl)-	15972-60-8
4	Aldrin		309-00-2
505	Aldicarb	7,7-Dimethyl-4-oxa-8-thia-2,5-diazanon-5-en-3-one	116-06-3
377	Binapacryl		485-31-4
249	Captafol		2425-06-1
8	Chlordane		57-74-9
378	Chlordimeform		6164-98-3
379	Chlorobenzilate		510-15-6
7	D.D.T.		50-29-3
5	Dieldrin		60-57-1
144	Dinitro-ortho-cresol (DNOC) and its salts (such as ammonium salt, potassium salt and sodium salt)	Phenol, 2-methyl-4,6-dinitro- (DNOC) Ammonium 4,6-dinitro-o-tolyl oxide Phenol, 2-methyl-4,6-dinitro-, potassium salt Phenol, 2-methyl-4,6-dinitro-, sodium salt (1:1)	534-52-1 2980-64-5 5787-96-2 2312-76-7
104	Dinoseb and its salts and esters	Dinoseb	88-85-7
245	1,2-Dibromoethane	EDB	106-93-4
114	Endosulfan	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide	115-29-7
80	Ethylene dichloride		107-06-2
64	Ethylene oxide		75-21-8
116	Fluoroacetamide		640-19-7
380	HCH (mixed isomers)		608-73-1
8	Heptachlor		76-44-8
3	Hexachlorobenzene	HCB	118-74-1
22	Lindane		58-89-9

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
153	Mercury compounds, including inorganic mercury compounds, alkyl mercury compounds and alkyloxyalkyl and aryl mercury compounds		—
381	Monocrotophos		6923-22-4
102	Parathion		56-38-2
382	Pentachlorophenol and its salts and esters	Pentachlorophenol	87-86-5
12	Toxaphene		8001-35-2
383	Benomyl		17804-35-2
384	Carbofuran		1563-66-2
385	Thiram		137-26-8
386	Methamidophos		10265-92-6
106	Phosphamidon		13171-21-6 297-99-4 23783-98-4
107	Methyl parathion		298-00-0
52	Asbestos	Asbestos, actinolite	77536-66-4
		Asbestos, anthophyllite	77536-67-5
		Asbestos, amosite	12172-73-5
		Asbestos, crocidolite	12001-28-4
		Asbestos, Tremolite	77536-68-6
24	Polybrominated biphenyls (PBB)	1,1'-Biphenyl, hexabromo-	36355-01-8
		1,1'-Biphenyl, ar,ar,ar,ar,ar',ar',ar'-octabromo-	27858-07-7
		1,1'-Biphenyl, 2,2',3,3',4,4',5,5',6,6'-decabromo-	13654-09-6
1	Polychlorinated biphenyls	PCBs	1336-36-3
387	Polychlorinated terphenyls	PCTs	61788-33-8
99	Tetraethyl lead		78-00-2
99	Tetramethyllead		75-74-1
260	Tris(2,3-dibromopropyl) phosphate		126-72-7
388	Tributyltin compounds	Tributyltin oxide	56-35-9
		Tributyltin fluoride	1983-10-4
		Tributyltin methacrylate	2155-70-6
		Tributyltin benzoate	4342-36-3
		Tributyltin chloride	1461-22-9
		Tributyltin linoleate	24124-25-2
		Tributyltin naphthenate	85409-17-2

**Industrial Safety and Health Law, Ordinance on Prevention of Ionizing Radiation Hazards/  
Radioactive Substances**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
389	The compounds which have a nuclide mentioned in table-1 and table-2 according to "Industrial Safety and Health Law, Ordinance on Prevention of Ionizing Radiation Hazards"		—



**[Excluded Substances based on selection standard 2]**

**Marketing and use directive(76/769/EEC)**

**The directive revision 89/677/EEC, 97/56/EEC / Lead and lead compounds**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
390	Lead and lead compounds	Eosine lake, lead salt	—
		9-Octadecenoic acid (9Z)-, lead(2+) salt (2:1)	1120-46-3
		Bisboric acid, lead salt	—
		Resin acids, lead salts	—
		Fatty acids, tall-oil,lead salts	—
		Naphthenic acids, lead salts	61790-14-5
		Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, lead salt (1:?)	1326-05-2
9,12-Octadecadienoic acid (9Z,12Z)-, lead salt (1:?)	16996-51-3		

**Marketing and use directive(76/769/EEC)**

**83/264/EEC: Polybrominated biphenyls, 2003/11/EC: Polybrominated diphenyl ethers**

**2002/95/EC: RoHS Directive**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
24	Polybrominated biphenyls	Hexabromobiphenyl	36355-01-8
25	Polybrominated biphenyl ethers	Benzene, 1,1'-oxybis-, tetrabromo deriv.	40088-47-9
		Benzene, 1,1'-oxybis-, pentabromo deriv.	32534-81-9
		Benzene, 1,1'-oxybis-, hexabromo deriv.	36483-60-0
		Benzene, 1,1'-oxybis-, heptabromo deriv.	68928-80-3

**Marketing and use directive(76/769/EEC)**

**The 20th revision 2002/45/EC : Alkanes, C<sub>10</sub>-C<sub>13</sub>, chloro (short-chain chlorinated paraffins)**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
391	Short chain length chlorinated paraffins (C=10~13)	Alkanes, C10-13, chloro	85535-84-8

**Marketing and use directive(76/769/EEC)**

**2003/3/EC: Specified azo colourants and amines(The German Consumer Goods Ordinance)**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
<b>Specified amine aromatic amines</b>			
51	4-Aminodiphenyl		92-67-1
50	Benzidine		92-87-5
240	4-Chloro-o-toluidine		95-69-2
55	2-Naphthylamine		91-59-8
392	o-Aminoazotoluene		97-56-3
393	5-Nitro-o-toluidine		99-55-8
394	4-Chloroaniline		106-47-8
395	4-Methoxy-m-phenylenediamine	2,4-Diaminoanisole	615-05-4
396	4,4'-Methylenebisbenzenamine	4,4'-Diaminodiphenylmethane	101-77-9
57	3,3'-Dichlorobenzidine		91-94-1
60	3,3'-Dimethoxybenzidine	o-Dianisidine	119-90-4
59	3,3'-Dimethylbenzidine	4,4'-Bi-o-toluidine	119-93-7
397	4,4'-Methylenedi-o-toluidine	Aniline, 4,4'-methylenebis(2-methyl)-	838-88-0
398	6-Methoxy-m-toluidine	p-Cresidine	120-71-8
70	4,4'-Methylene-bis-(2-chloroaniline)	4,4'-Methylenebis-(2-chlorobenzenamine)	101-14-4
399	4,4'-Oxybisbenzenamine		101-80-4
400	4,4'-Thiodianiline		139-65-1
200	o-Toluidine		95-53-4
401	4-Methyl-m-phenylenediamine	Toluene-2,4-Diamine	95-80-7
402	2,4,5-Trimethylaniline		137-17-7
403	o-Anisidine	Aniline, 2-methoxy-	90-04-0
404	4-Aminoazobenzene	Induline R	60-09-3
405	The azo dye which generates specification amine		—
<b>The azo pigment which generates specific amine/An evaluation classification [B] on ETAD</b>			
406	C.I. Pigment Red 8		6410-30-6
407	C.I. Pigment Red 22		6448-95-9
408	C.I. Pigment Red 38		6358-87-8

**Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (1907/2006 /EC)  
Substances on the Authorisation List (Annex XIV)**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
409	Bis(2-ethylhexyl) phthalate	DEHP	117-81-7
410	5-tert-butyl-2,4,6-trinitro-m-xylene	Musk xylene	81-15-2
411	Dibutyl phthalate	DBP	84-74-2
412	Benzyl butyl phthalate	BBP	85-68-7
413	Hexabromocyclododecane	HBCDD	3194-55-6 25637-99-4 134237-50-6 134237-51-7 134237-52-8
396	4,4'-Diaminodiphenylmethane	4,4'-Methylenedianiline	101-77-9
540	Diisobutyl phthalate	1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester	84-69-5
541	Tris(2-chloroethyl) phosphate	Ethanol, 2-chloro-, phosphate (3:1)	115-96-8
542	2,4-Dinitrotoluene	Benzene, 1-methyl-2,4-dinitro-	121-14-2
618	Diethylene glycol dimethyl ether	Diglyme	111-96-6
642	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	Formaldehyde, polymer with benzenamine	25214-70-4

**Others**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
414	Ethyl acrylate		140-88-5
415	2-Hydroxyethyl acrylate		818-61-1
416	Butan-1-yl acrylate		141-32-2
417	Methyl acrylate		96-33-3
418	Aniline	Benzenamine	62-53-3
419	Oxirane, [(2-propenyloxy)methyl]-		106-92-3
420	Bisphenol A type epoxy liquid resins	Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl) oxirane (Liquid) 2,2-bis[4-(oxiran-2-ylmethoxy)phenyl]propane Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (Liquid)	25068-38-6 1675-54-3 25036-25-3
421	Isobenzofuran-1,3-dione	Phthalic anhydride	85-44-9
422	Isophorone diisocyanate		4098-71-9
423	2-Ethoxyethanol	Ethylene glycol monoethylether	110-80-5
424	2-Ethoxyethyl acetate	Ethylene glycol monoethyletheracetate	111-15-9
425	2-Methoxyethanol	Ethylene glycol monomethylether	109-86-4
426	2-Methoxyethyl acetate	Ethylene glycol monomethyletheracetate	110-49-6
427	Ethylenediamine		107-15-3
428	Trimethyl(oxiran-2-ylmethyl)ammonium chloride		3033-77-0
429	2-(Phenoxyethyl)oxirane		122-60-1
430	Oxalaldehyde	Glyoxal	107-22-2
431	Glutaraldehyde		111-30-8
432	Cobalt and its inorganic compounds	Sulfuric acid, cobalt(2+) salt (1:1)	10124-43-3
433	Cobalt (2+) acetate		71-48-7
434	Diethylenetriamine		111-40-0
435	Dichloromethane	Methylene chloride	75-09-2
436	N,N-Dimethylacetamide		127-19-5
437	2-(Dimethylamino)ethyl methacrylate		2867-47-2
438	1,1-Dimethylhydrazine		57-14-7
439	N,N-dimethylformamide	DMF	68-12-2
440	Carbonic acid, cobalt(2+) salt (1:1)		513-79-1
441	Cyanuric chloride		108-77-0
442	1,3,5-Trisglycidyl-isocyanuric acid		2451-62-9
443	Toluene diisocyanates	Benzene, 1,3-diisocyanatomethyl- Benzene, 2,4-diisocyanato-1-methyl- Benzene, 1,3-diisocyanato-2-methyl-	26471-62-5 584-84-9 91-08-7
444	Naphthalene		91-20-3
445	2-Nitrotoluene		88-72-2
446	2-nitropropane		79-46-9
447	1,3-Bis(oxiran-2-ylmethoxy)benzene		101-90-6
448	Hydroxypropyl acrylates	2-hydroxypropyl acrylate 2-Propenoic acid, monoester with 1,2-propanediol	999-61-1 25584-83-2
449	Hydroquinone		123-31-9
450	N-Vinyl-2-pyrrolidone		88-12-0

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
451	p-Phenylenediamine		106-50-3
452	Furan-2,5-dione	Maleic anhydride	108-31-6
453	Hexamethylene diisocyanate		822-06-0
454	Pyrocatechol		120-80-9
455	Phthalonitrile		91-15-6
456	Benzoyl chloride		98-88-4
457	Oxiran-2-ylmethyl methacrylate		106-91-2
458	Aniline, 4-methyl-		106-49-0
459	2-Methyloxirane	Propylene oxide	75-56-9
460	N-Methyl-2-pyrrolidone		872-50-4
461	Bis(4-isocyanatocyclohexan-1-yl)methane		5124-30-1
462	1,1'-Methylenebis(isocyanatobenzene)	Benzene, 1,1'-methylenebis(isocyanato- Bis(4-isocyanatophenyl)methane	26447-40-5 101-68-8
463	Phenol, methylene bis-, polymer with (chloromethyl) oxirane (Methylene bisphenol type epoxy liquid resins)		58421-55-9
520	p-Ethoxyaniline	Benzenamine, 4-ethoxy-	156-43-4
521	Methyl isobutyl ketone	2-Pentanone, 4-methyl-	108-10-1
522	Ethylbenzene	Benzene, ethyl-	100-41-4
523	N,N-Dimethylpropane-1,3-diyl diamine	1,3-Propanediamine, N1,N1-dimethyl-	109-55-7
524	3,6-Diazaoctane-1,8-diyl diamine	1,2-Ethanediamine, N1,N2-bis(2-aminoethyl)-	112-24-3
525	3,6,9-Triazaundecane-1,11-diyl diamine	1,2-Ethanediamine, N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-	112-57-2
526	p-Nitrochlorobenzene	Benzene, 1-chloro-4-nitro-	100-00-5
527	2-(Butoxymethyl)oxirane	Oxirane, 2-(butoxymethyl)-	2426-08-6
528	Quinoline		91-22-5
529	o-Phenylenediamine	1,2-Benzenediamine	95-54-5
530	1,4-Dichloro-2-nitrobenzene	Benzene, 1,4-dichloro-2-nitro-	89-61-2
531	(E)-crotonaldehyde	2-Butenal, (2E)-	123-73-9
532	3-Chloroprop-1-ene	1-Propene, 3-chloro-	107-05-1
533	1-Chloro-2-nitrobenzene	Benzene, 1-chloro-2-nitro-	88-73-3
534	2,4-Dichloro-1-nitrobenzene	Benzene, 2,4-dichloro-1-nitro-	611-06-3
535	4-nitroanisole	Benzene, 1-methoxy-4-nitro-	100-17-4
536	Propane, 1-bromo-3-chloro-	Propane, 1-bromo-3-chloro-	109-70-6
537	2-amino-4-chlorophenol	Phenol, 2-amino-4-chloro-	95-85-2
538	Butane, 1-bromo-		109-65-9
539	Hydrazine, monohydrate		7803-57-8
552	3-Chloro-2-methylprop-1-ene	3-Chloroisobutene	563-47-3
553	7-oxa-3-oxiranyl bicyclo[4.1.0]heptane	Vinylcyclohexene dioxide	106-87-6
554	2-Butyne-1,4-diol		110-65-6
555	Iodomethane		74-88-4
556	2-Bromopropane		75-26-3
557	2-methylaziridine		75-55-8
558	Phenylhydrazine		100-63-0
559	4-(2,4,4-Trimethylpentan-2-yl)phenol	p-t-Octylphenol	140-66-9
560	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether		3101-60-8
561	1-Bromopropane		106-94-5
578	Methane, tribromo-	Bromoform	75-25-2
579	2-Chloroacetamide	Acetamide, 2-chloro-	79-07-2
580	Bromoacetic acid	Acetic acid, 2-bromo-	79-08-3
581	Methyl methacrylate	2-Propenoic acid, 2-methyl-, methyl ester	80-62-6
582	6,7-Dihydrodipyrido[1,2-a:2',1'-c]pyrazine-5,8-dium dibromide		85-00-7
583	2-Methyl-1,4-phenylenediamine	1,4-Benzenediamine, 2-methyl-	95-70-5
584	3,4-Dichloroaniline	Benzenamine, 3,4-dichloro-	95-76-1
585	2,3-Dibromopropan-1-ol	1-Propanol, 2,3-dibromo-	96-13-9
586	2-Imidazolidinethione	Ethylenethiourea	96-45-7
587	Benzene, (1-methylethyl)-	Cumene	98-82-8
588	1,3-Benzenediamine	m-Phenylenediamine	108-45-2
589	Furan		110-00-9
590	Bis(2-chloroethyl) ether	Ethane, 1,1'-oxybis[2-chloro-	111-44-4
591	2-Propenenitrile, 2-methyl-	Methacrylonitrile	126-98-7
592	Bis(dimethyldithiocarbamato-kappa(2)S,S')zinc		137-30-4
593	Dicyclohexylcarbodiimide	Cyclohexanamine, N,N'-methanetetraylbis-	538-75-0
594	Isobutyl nitrite	Nitrous acid, 2-methylpropyl ester	542-56-3
595	(Methyl-ONN-azoxy)methyl acetate		592-62-1
596	2,6-Dinitrotoluene	Benzene, 2-methyl-1,3-dinitro-	606-20-2

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
597	3,5-Dinitrotoluene		618-85-9
598	1,4-Benzenediamine, hydrochloride (1:2)		624-18-0
599	Methane, isocyanato-		624-83-9
600	Divanadium pentaoxide	Vanadium oxide (V2O5)	1314-62-1
601	1,4,5,8-tetraaminoanthraquinone	9,10-Anthracenedione, 1,4,5,8-tetraamino-	2475-45-8
602	Methylene dithiocyanate	Thiocyanic acid, C,C'-methylene ester	6317-18-6
603	1,4-Benzenediamine, 2-methyl-, sulfate (1:?)	2-Methyl-p-phenylenediamine sulphate	6369-59-1
604	Diammonium hexachloroplatinate	Platinate(2-), hexachloro-, ammonium (1:2), (OC-6-11)-	16919-58-7
605	Disodium hexachloroplatinate	Platinate(2-), hexachloro-, sodium (1:2), (OC-6-11)-	16923-58-3
606	2-[(Thiocyanatomethyl)sulfanyl]-1,3-benzothiazole		21564-17-0
607	(4-Ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate	Ethanol, 2-[(4-amino-3-methylphenyl)ethylamino]-, sulfate (1:1)	25646-77-9
608	2-octyl-2H-isothiazol-3-one	3(2H)-Isothiazolone, 2-octyl-	26530-20-1
609	Phenylhydrazine hydrochloride		27140-08-5
610	(2-chloroethyl) (3-hydroxypropyl) ammonium chloride		40722-80-3
611	Phenylhydrazinium sulphate (2:1)		52033-74-6
612	Toluene-2,4-diammonium sulphate		65321-67-7
613	Oxiranemethanol, 4-methylbenzene-sulfonate, (S)-		70987-78-9
614	Methyl acrylamidoglycolate (containing >= 0.1 % acrylamide)		77402-05-2
615	2-Methyl-5,6-dihydro-4H-cyclopenta[d]isothiazol-3-one		82633-79-2
616	N-[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1H-purin-2-yl]acetamide		84245-12-5
617	O-isobutyl-N-ethoxy carbonylthiocarbamate	Thioimidodicarbonic acid ((HO)C(O)NHC(S)(OH)), OC-ethyl OC'-(2-methylpropyl) ester	103122-66-3
643	4,4'-Bis(chloromethyl)biphenyl		1667-10-3
620	2,2'-[Ethylenebis(oxyethylene)]bisoxirane	Ethylene glycol diglycidyl ether	2224-15-9
621	N-Phenylmaleimide		941-69-5
622	4-Chloro-3-nitrobenzoic acid		96-99-1
623	2-Chloroethyl dimethylamine	N,N-Dimethyl-2-chloroethanamine	107-99-3
624	N,N'-Methylenediacylamide	N,N'-Methylenebis(2-propenamide)	110-26-9
625	1,5-Dihydroxyanthraquinone		117-12-4
626	6-methoxybenzothiazol-2-ylamine		1747-60-0
627	Reactive Blue 19		2580-78-1
628	Pigment Red 23	3-Hydroxy-4-[(2-methoxy-5-nitrophenyl)azo]-3'-nitro-2-naphthanilide; 1-(2-Methoxy-5-nitrophenylazo)-2-hydroxy-3-(3-nitrophenylcarbonyl)naphthalene	6471-49-4
629	2-Pentylanthraquinone	2-Amylanthraquinone	13936-21-5
630	2-Methoxy-4-nitroaniline	4-Nitro-o-anisidine	97-52-9
631	4,4'-Oxybis(benzenesulfonohydrazide)		80-51-3
632	Benzyltrimethylammonium chloride		56-93-9
633	3-Methylbenzene-1,2-diamine	2,3-Diaminotoluene	2687-25-4
634	3-Nitrobenzoic acid	m-Nitrobenzoic acid	121-92-6
635	3,5-Dinitrobenzoic acid		99-34-3
636	(2-Chloroethyl)ammonium chloride		870-24-6
637	6-Diazo-5,6-dihydro-5-oxonaphthalene-2-sulphonyl chloride		3770-97-6
638	2,4-Difluoro-1-nitrobenzene		446-35-5
639	2,2'-[(1-Methyl-1,2-ethanediy)bis(oxyethylene)]bis-oxirane	1,2-Propylene glycol diglycidyl ether	16096-30-3
640	2-[(Tolyloxy)methyl]oxirane		26447-14-3
641	Sodium 1-amino-4-bromo-9,10-dioxoanthracene-2-sulphonate		6258-06-6

**【Excluded Substances based on Selection Standard 3】**

NL No.	Substance [Substance group]	Synonym [Substance(example) ]	CAS No.
464	Antimony white	Antimony oxide (Sb <sub>2</sub> O <sub>3</sub> )	1309-64-4
465	Antimony red	Antimony sulfide (Sb <sub>2</sub> S <sub>3</sub> )	1345-04-6
466	Oil yellow OB	C.I. Solvent Yellow 6	131-79-3
467	Oil orange SS	C.I. Solvent Orange 2	2646-17-5
468	Oil orange XO	C.I. Solvent Orange 7	3118-97-6
469	Chrysoidine	C.I. Basic Orange 2	532-82-1
470	Sudan I	C.I. Solvent Yellow 14	842-07-9
471	Ponceau SX	C.I. Food Red 1	4548-53-2
472	Ponceau 3R	C.I. Food Red 6	3564-09-8
473	Barium stearate		6865-35-6
474	Manganese violet		10101-66-3
475	Dibutyltin dichloride		683-18-1
476	Dibutyltin diacetate		1067-33-0
477	Dibutyltin dibutanate		—
478	Dibutyltin dipentenate		—
479	Auramine lakes		—
480	Magenta lakes		—
481	Guinea green B	C.I. Acid Green 3	4680-78-8
482	Diamond green G	C.I. Basic Green 1	633-03-4
483	Victoria blue 4R		2185-87-7
484	Victoria blue B	C.I. Basic Blue 26	2580-56-5
485	Malachite green	C.I. Basic Green 4	2437-29-8 569-64-2
486	Methyl violet	C.I. Basic Violet 1	8004-87-3 603-47-4 21325-96-2 37199-26-1
487	Crystal violet	C.I. Basic Violet 3	548-62-9
488	Chlorinated naphthalenes		25586-43-0
489	o-Dichlorobenzene		95-50-1
490	Monochlorobenzene		108-90-7
491	Vinyl acetate		108-05-4
543	1,4-Dichlorobenzene	Benzene, 1,4-dichloro-	106-46-7
544	1,1'-Biphenyl	1,1'-Biphenyl	92-52-4
545	Anthracene		120-12-7
546	Quinolinium salts	Quinolinium chloride	530-64-3
547	O-phenylenediamine salts	O-phenylenediamine dihydrochloride	615-28-1
548	Propane, 1,2-dichloro-	Propane, 1,2-dichloro-	78-87-5
492	Rhodamine 3G		6232-60-6
493	Rhodamine 6G	C.I. Basic Red 1	989-38-8
494	Rhodamine B	C.I. Basic Violet 10	81-88-9
495	Tricresyl phosphate	Phosphoric acid, tris(methylphenyl) ester	1330-78-5
496	Monocresyl phosphate		—
497	Titanium trichloride		7705-07-9
498	Glycidyl acrylate		106-90-1
499	Diethyleneglycol diacrylate		4074-88-8
500	Benz[a]anthracene		56-55-3
501	4,4'-Bis(dimethylamino) benzophenone	Michler's ketone	90-94-8

NL No.628 Effective Date: 2017/05/01

This is the English version of Negative List established by Japan Printing Ink Makers Association.  
We pay close attention to the English translation from Japanese version.  
If you find any discrepancies between Japanese version and English version,  
Please give priority to Japanese version.