

Appendix Table 1
List of Prohibited Substances

Revision: March 26, 2018
Enforcement: April 1, 2018

No.	CAS No.	Agent group or substance name (Japanese)	Agent group or substance name (English)	Regulation value w/v%	Japanese legislation			EU legislation			International treaty		Main applications (Source: NITE Chemical Risk Information Platform of National Institute of Technology and Evaluation (NITE) and GHS model SDS information of Japan Advanced Information center of Safety and Health)
					Abolished substances in Ozone Layer Protection Law	Prohibited substances in Health Law	Prohibited substances in Building Standards Law	Class I specified chemical substances in Chemical Substance Control Law	Regulation on substances that deplete the ozone layer EC NO.2037/2000	Regulation concerning Persistent Organic Pollutants (POPs) EC NO.850/2004	REACH ANNEX17	Montreal Protocol on Substances that Deplete the Ozone Layer	
1	App. Tab. 1-2	CFC	Ozone-depleting substances(CFC)		✓				✓		✓		Coolant, organic synthetic raw material, fire extinguishing agent, foaming agent, cleaning agent
2	App. Tab. 1-2	ハロン	halon		✓				✓		✓		Fire extinguishing agent
3	56-23-5	四塩化炭素	Methane, tetrachloro-		✓				✓		✓		Freon gas, raw material of agricultural chemical, reagent
4	71-55-6	1,1,1-トリクロロエタン	Ethane, 1,1,1-trichloro-		✓				✓		✓		Reagent, synthetic raw material (raw material of CFC substitutes)
5	App. Tab. 1-2	HBFC	Ozone-depleting substances(HBFC)		✓				✓		✓		Fire extinguishing agent
6	74-97-5	ブロモクロロメタン	Methane, bromochloro-		✓				✓		✓		Organic synthesis solvent and intermediate, for fire extinguishing agent
7	74-83-9	臭化メチル	Methane, bromo-		✓				✓		✓		Organic bromide, raw material of organic synthesis, fumigant for food, agricultural chemical (pesticide)
8	App. Tab. 1-2	アスベスト類	Asbestos	0.1		✓	✓				✓		Friction material, gasket, heat insulation material, heat retaining material, brake lining, extrusion cement board, decorative slate for housing roof, fiber
9	App. Tab. 1-2	PCB(ポリ塩化ビフェニル)	Polychlorinated biphenyls (PCB)					✓	✓			✓	Insulation oil for transformer capacitor and stabilizer, heat medium
10	App. Tab. 1-2	PCN(ポリ塩化ナフタレン)	Polychlorinated naphthalenes (PCN) Polychlorinated terphenyls (PCT)					✓	✓			✓	Fire retarding material, heat medium, insulating material
11	118-74-1	ヘキサクロロベンゼン	Benzene, hexachloro-					✓	✓			✓	Disinfectant (for seeds), raw material of organic synthesis
12	309-00-2	アルドリン	aldrin					✓	✓			✓	Pesticide
13	60-57-1	ディルドリン	dieldrin					✓	✓			✓	Pesticide
14	72-20-8	エンドリン	endrin					✓	✓			✓	Pesticide
15	50-29-3	DDT	Dichloro Diphenyl Trichloroethane(DDT)					✓	✓			✓	Pesticide
16	App. Tab. 1-2	クロルデン類	Chlordane , pur					✓	✓			✓	Organochlorine pesticide
17	56-35-9	ビス(トリブチルスズ)オキシド	Distannoxane, hexabutyl-					✓					Wood preservative, ship-bottom paint, antifouling agent for fishing nets, disinfectant/fungicide
18	App. Tab. 1-2	フェニレンジアミン類	1,4-Benzenediamine, N,N'-bis(methylphenyl)-					✓					Organic rubber chemical (age resistor)
19	732-26-3	2,4,6-トリ-tert-ブチルフェノール	Phenol, 2,4,6-tris(1,1-dimethylethyl)-					✓					Anti-oxidant and other modifiers (only those for lubricants or fuel oils)
20	8001-35-2	トキサフェン	Toxaphene					✓	✓			✓	Pesticide
21	2385-85-5	マイレックス	dodecachloropentacyclo[5.2.1.02.6.03.9.05.8]decane					✓	✓			✓	Pesticide
22	115-32-2	ケルセソ	dicofol					✓					Agricultural chemical
23	87-68-3	ヘキサクロロブタジエン	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-					✓	✓			✓	Solvent
24	3846-71-7	2-(2H-1,2,3-ベンゾトリアゾール-2-イル)-4,6-ジ-tert-ブチルフェノール	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-					✓					Ultraviolet absorber
25	542-88-1	ビス(クロロメチル)エーテル	Methane, oxybis(chloro-	1	✓								Dye intermediate
26	App. Tab. 1-2	4-アミノビフェニル(別名:4-アミノジフェニル)及び塩類	Biphenyl-4-ylamine	1	✓					✓			Rubber anti-oxidant
27	App. Tab. 1-2	β-ナフチルアミン及びその塩	2-Naphthalenamine	1	✓					✓			Raw material of colorant
28	App. Tab. 1-2	4-ニトロビフェニル(別名:4-ニトロジフェニル)及び塩類	4-nitrobiphenyl	1	✓					✓			Synthetic intermediate
29	App. Tab. 1-2	ベンジジン及びその塩	[1,1'-Biphenyl]-4,4'-diamine	1	✓					✓			Raw material of colorant, dye intermediate
30	2921-88-2	クロルピリホス	Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester			✓							Agricultural chemical, repellent for ants
31	App. Tab. 1-2	パーフルオロオクタンスルホン酸(PFOS)またはその塩	Perfluorooctanesulfonic Acid					✓	✓			✓	Dispersing agent, water and oil repellent, surfactant
32	307-35-7	パーフルオロオクタンスルホン酸フルオリド(PFOF)	Perfluoro-n-octanesulfonyl Fluoride					✓	✓			✓	PFOS and its salts, or raw material of PFOS analog
33	608-93-5	ペンタクロロベンゼン	Pentachlorobenzene					✓	✓			✓	Agricultural chemical
34	319-84-6	α-ヘキサクロロシクロヘキサン	alpha-Hexachlorocyclohexane					✓	✓			✓	By-product of lindane (manufacturing, use, etc. prohibited)
35	319-85-7	β-ヘキサクロロシクロヘキサン	beta-Hexachlorocyclohexane					✓	✓			✓	By-product of lindane (manufacturing, use, etc. prohibited)
36	58-89-9	γ-ヘキサクロロシクロヘキサン	gamma-hexachlorocyclohexane					✓	✓			✓	Pesticide (chemicals whose sales is prohibited)
37	143-50-0	クロルデコン	alpha-Hexachlorocyclohexane					✓	✓			✓	Disinfectant, fungicide, pesticide, insecticide
38	36355-01-8	ヘキサブロモビフェニル	1,1'-Biphenyl, hexabromo-					✓	✓			✓	Fire retarding material
39	40088-47-9	テトラブロモジフェニルエーテル	Tetrabromodiphenyl ether					✓	✓			✓	Fire retarding material
40	32534-81-9	ペンタブロモジフェニルエーテル	Pentabromodiphenyl ether					✓	✓			✓	Fire retarding material
41	36483-60-0	ヘキサブロモジフェニルエーテル	Hexabromodiphenyl ether					✓	✓			✓	Fire retarding material

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42	68928-80-3	ヘプタブロモジフェニルエーテル	Heptabromodiphenyl ether					✓		✓		✓	Fire retarding material
43	App. Tab. 1-2	6, 7, 8, 9, 10, 10-ヘキサクロロ-1, 5, 5a, 6, 9, 9a-ヘキサビドロー-6, 9-メタノー-2, 4, 3-ペントジオキサチエピン=3-オキシド類(別名:エンドスルファン又はペンノエピン)	Endosulfan					✓		✓		✓	Agricultural chemical (pesticide)
44	App. Tab. 1-2	ヘキサブロモシクロドデカン(HBCD)	Hexabromocyclododecane(HBCD)					✓		✓		✓	Fire retarding material of resin, curing accelerator of adhesive
45	App. Tab. 1-2	ペンタクロロフェノール又はその塩若しくはエステル	Pentachlorophenol					✓				✓	Pentachlorophenol salts (Na, Ca) is used for glue as sterilizer
46	App. Tab. 1-2	短鎖型塩化パラフィン(C10-C13)	Short chain chlorinated paraffins (C10-13)					✓				✓	Fire retarding material, Metalworking oil
47	1163-19-5	デカブロモジフェニルエーテル	Decabromodiphenyl ether					✓				✓	Fire retarding material

* The following shows official names of laws concerning chemical substances used in this table.

- Chemical Substance Control Law; Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
- Ozone Layer Protection Law; Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures

Appendix Table 1-2

Examples of Prohibited Substances

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
1. CFCs	75-71-8	ジクロロジフルオロメタン	CFC-12
	75-69-4	トリクロロフルオロメタン	CFC-11
	26523-64-8	トリクロロトリフルオロエタン	Trichlorotrifluoroethane
	354-58-5	トリクロロトリフルオロエタン	CFC-113
	76-13-1	トリクロロトリフルオロエタン	CFC-113
	1320-37-2	ジクロロテトラフルオロエタン	CFC-114
	374-07-2	ジクロロテトラフルオロエタン	Ethane, 1,1-dichloro-1,2,2,2-tetrafluoro-
	76-14-2	ジクロロテトラフルオロエタン	1,2-Dichloro-1,1,2,2-tetrafluoroethane
	76-15-3	クロロペンタフルオロエタン	CFC-115
	422-78-6	ヘプタクロロフルオロプロパン	C3FCI7
	76-12-0	テトラクロロジフルオロエタン	Tetrachloro-1,2-difluoroethane
	1652-81-9	トリクロロペンタフルオロプロパン	1,1,3-trichloro-1,2,2,3,3-pentafluoropropane
	422-86-6	クロロヘプタフルオロプロパン	CFC-217
	354-56-3	ペンタクロロフルオロエタン	CFC-111
	75-72-9	クロロトリフルオロメタン	CFC-13
	28605-74-5	テトラクロロジフルオロエタン	CFC-112
	135401-87-5	ヘプタクロロフルオロプロパン	CFC-211
	422-81-1	ヘプタクロロフルオロプロパン	C3FCI7
	661-97-2	ジクロロヘキサフルオロプロパン	1,2-dichloro-1,1,2,3,3,3-hexafluoropropane
	2268-46-4	テトラクロロテトラフルオロプロパン	CFC-214
	134237-31-3	ペンタクロロトリフルオロプロパン	C3F3CI5 CFC-213
	76-11-9	テトラクロロジフルオロエタン	1,1,1,2-tetrachloro-2,2-difluoroethane
	3182-26-1	ヘキサクロロジフルオロプロパン	CFC-212
	42560-98-5	ジクロロヘキサフルオロプロパン	Dichlorohexafluoropropane
	2354-06-5	ペンタクロロトリフルオロプロパン	C3F3CI5
	4259-43-2	トリクロロペンタフルオロプロパン	C3F5CI3
2. Halon	124-73-2	ジブロモテトラフルオロエタン	1,2-dibromotetrafluoroethane
	25497-30-7	ジブロモテトラフルオロエタン	Dibromotetrafluoroethane
	75-63-8	ブロモトリフルオロメタン	Methane, bromotrifluoro-
	353-59-3	ブロモクロロジフルオロメタン	Methane, bromochlorodifluoro-
5. HBFC	1511-62-2	ブロモジフルオロメタン	CHF2Br
	1868-53-7	ジブロモフルオロメタン	CH2FBr2
	373-52-4	ブロモフルオロメタン	CH2FBr
	306-80-9	テトラブロモフルオロエタン	C2HFBr4
		トリブロモジフルオロエタン	C2HF2Br3
	354-04-1	ジブロモトリフルオロエタン	C2HF3Br2
	124-72-1	ブロモテトラフルオロエタン	C2HF4Br
		トリブロモフルオロエタン	C2H2FBr3
	75-82-1	ジブロモジフルオロエタン	C2H2F2Br2
	421-06-7	2-ブロモ-1, 1, 1-トリフルオロエタン	C2H2F3Br
	358-97-4	ジブロモフルオロエタン	C2H3FBr2
		ブロモジフルオロエタン	C2H3F2Br
	762-49-2	ブロモフルオロエタン	C2H4FBr
		ヘキサブロモフルオロプロパン	C3HFBr6
		トリブロモテトラフルオロプロパン	C3HF4Br3
		トリブロモトリフルオロプロパン	C3H2F3Br3
	431-78-7	ジブロモペンタフルオロプロパン	C3HF5Br2

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	2252-79-1	ブロモヘキサフルオロプロパン	C3HF6Br
		ペンタブロモジフルオロプロパン	C3HF2Br5
		テトラブロモトリフルオロプロパン	C3HF3Br4
		ペンタブロモフルオロプロパン	C3H2FBr5
		テトラブロモジフルオロプロパン	C3H2F2Br4
		ジブロモテトラフルオロプロパン	C3H2F4Br2
	460-88-8	ブロモペンタフルオロプロパン	C3H2F5Br
		テトラブロモフルオロプロパン	C3H3FBr4
	70192-80-2	トリブロモジフルオロプロパン	C3H3F2Br3
	70192-83-5	ジブロモトリフルオロプロパン	C3H3F3Br2
	679-84-5	ブロモテトラフルオロプロパン	C3H3F4Br
	75372-14-4	トリブロモフルオロプロパン	C3H4FBr3
	460-25-3	ジブロモジフルオロプロパン	C3H4F2Br2
	51584-26-0	ジブロモフルオロプロパン	C3H5FBr2
	421-46-5	ブロモトリフルオロプロパン	C3H4F3Br
		ブロモジフルオロプロパン	C3H5F2Br
8. Asbestos	1332-21-4	アスベスト類	Asbestos
	12001-28-4	クロシドライト(青石綿)	Crocidolite
	12001-29-5	クリソタイル(白石綿、温石綿)	Chrysotile
	12172-73-5	アモサイト(茶石綿)	Amosite
	13768-00-8	アクチノライト(陽起石綿)	Actinolite
	14567-73-8	トレモライト(透角閃石綿)	Tremolite
	17068-78-9	アンソフィライト(直閃石綿)	Anthophyllite
9. PCB (polychlorinated biphenyl)	109328-45-2	(R)-2, 2', 3, 3', 4, 4', 6, 6'-オクタクロロ[1, 1'-ビフェニル]	(R)-2,2',3,3',4,4',6,6'-octachlorobiphenyl
	109328-46-3	(S)-2, 2', 3, 3', 4, 4', 6, 6'-オクタクロロ[1, 1'-ビフェニル]	(S)-2,2',3,3',4,4',6,6'-octachlorobiphenyl
	11097-69-1	ポリ塩素化ビフェニル(組成不定)	PCB 1254
	111276-74-5	2, 2', 3, 6, 6', ?-ヘキサクロロ[1, 1'-ビフェニル](構造不定)	2,2',3,6,6',?-hexachlorobiphenyl
	111276-75-6	2, 4, 4', ?, ?-ペンタクロロ[1, 1'-ビフェニル](構造不定)	2,4,4',?,?-pentachlorobiphenyl
	111276-76-7	2, 2', 6', ?, ?-ペンタクロロ[1, 1'-ビフェニル](構造不定)	2,2',6',?,?-pentachlorobiphenyl
	111276-77-8	2, 2', 5, 6', ?, ?-ヘキサクロロ[1, 1'-ビフェニル](構造不定)	2,2',5,6',?,?-hexachlorobiphenyl
	111276-78-9	2, ?, ?-トリクロロ[1, 1'-ビフェニル](構造不定)	2,?,?-trichlorobiphenyl
	111276-79-0	4, 4', ?, ?, ?, ?-ヘキサクロロ[1, 1'-ビフェニル](構造不定)	4,4',?,?,?-hexachlorobiphenyl
	111276-80-3	2, 2', 5, 6', ?, ?, ?-ヘプタクロロ[1, 1'-ビフェニル](構造不定)	2,2',5,6',?,?-heptachlorobiphenyl
	111276-81-4	4, 4', ?, ?, ?-ペンタクロロ[1, 1'-ビフェニル](構造不定)	4,4',?,?-pentachlorobiphenyl
	111276-82-5	2, 3, 3', 4, 4', 5, 5', ?-オクタクロロ[1, 1'-ビフェニル](構造不定)	2,3,3',4,4',5,5',?-octachlorobiphenyl
	111276-83-6	2, 2', 5, 6', ?, ?, ?, ?-オクタクロロ[1, 1'-ビフェニル](構造不定)	2,2',5,6',?,?,?-octachlorobiphenyl
	1336-36-3	ポリクロロビフェニル	polychlorobiphenyl
	15862-07-4	2, 4, 5-トリクロロ[1, 1'-ビフェニル]	2,4,5-trichlorobiphenyl
	15968-05-5	2, 2', 6, 6'-テトラクロロ[1, 1'-ビフェニル]	2,2',6,6'-tetrachlorobiphenyl
	16605-91-7	2, 3-ジクロロ[1, 1'-ビフェニル]	2,3-dichlorobiphenyl
	16606-02-3	2, 4', 5-トリクロロ[1, 1'-ビフェニル]	2,4',5-trichlorobiphenyl
	18259-05-7	2, 3, 4, 5, 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,4,5,6-pentachlorobiphenyl
	2050-67-1	3, 3'-ジクロロ[1, 1'-ビフェニル]	3,3'-dichlorobiphenyl
	2050-68-2	4, 4'-ジクロロ[1, 1'-ビフェニル]	4,4'-dichlorobiphenyl
	2051-24-3	デカクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl
	2051-60-7	2-クロロ[1, 1'-ビフェニル]	2-chlorobiphenyl
	2051-61-8	3-クロロ[1, 1'-ビフェニル]	3-chlorobiphenyl
	2051-62-9	4-クロロビフェニル	4-chlorobiphenyl
	2136-99-4	2, 2', 3, 3', 5, 5', 6, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',5,5',6,6'-octachlorobiphenyl

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	2437-79-8	2, 2', 4, 4'-テトラクロロ[1, 1'-ビフェニル]	2,2',4,4'-tetrachlorobiphenyl
	25323-68-6	トリクロロ[1, 1'-ビフェニル](構造不定)	trichlorobiphenyl
	25429-29-2	ペンタクロロ[1, 1'-ビフェニル](構造不定)	pentachlorobiphenyl
	25512-42-9	ジクロロ[1, 1'-ビフェニル](構造不定)	dichlorobiphenyl
	25569-80-6	2, 3'-ジクロロ[1, 1'-ビフェニル]	2,3'-dichlorobiphenyl
	26601-64-9	ヘキサクロロ[1, 1'-ビフェニル](構造不定)	hexachlorobiphenyl
	26914-33-0	テトラクロロ[1, 1'-ビフェニル](構造不定)	tetrachlorobiphenyl
	27323-18-8	クロロビフェニル	chlorobiphenyl
	28655-71-2	ヘプタクロロ[1, 1'-ビフェニル](構造不定)	heptachlorobiphenyl
	2974-90-5	3, 4'-ジクロロ[1, 1'-ビフェニル]	3,4'-dichlorobiphenyl
	2974-92-7	3, 4-ジクロロ[1, 1'-ビフェニル]	3,4-dichlorobiphenyl
	31472-83-0	オクタクロロ[1, 1'-ビフェニル](構造不定)	octachlorobiphenyl
	31508-00-6	2, 3', 4, 4', 5-ペンタクロロ[1, 1'-ビフェニル]	2,3',4,4',5-pentachlorobiphenyl
	32598-10-0	2, 3', 4, 4'-テトラクロロ[1, 1'-ビフェニル]	2,3',4,4'-tetrachlorobiphenyl
	32598-11-1	2, 3', 4', 5-テトラクロロ[1, 1'-ビフェニル]	2,3',4',5-tetrachlorobiphenyl
	32598-12-2	2, 4, 4', 6-テトラクロロ[1, 1'-ビフェニル]	2,4,4',6-tetrachlorobiphenyl
	32598-13-3	3, 3', 4, 4'-テトラクロロ[1, 1'-ビフェニル]	3,3',4,4'-tetrachlorobiphenyl
	32598-14-4	2, 3, 3', 4, 4'-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4,4'-pentachlorobiphenyl
	32690-93-0	2, 4, 4', 5-テトラクロロ[1, 1'-ビフェニル]	2,4,4',5-tetrachlorobiphenyl
	32774-16-6	3, 3', 4, 4', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	3,3',4,4',5,5'-hexachlorobiphenyl
	33025-41-1	2, 3, 4, 4'-テトラクロロ[1, 1'-ビフェニル]	2,3,4,4'-tetrachlorobiphenyl
	33091-17-7	2, 2', 3, 3', 4, 4', 6, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',6,6'-octachlorobiphenyl
	33146-45-1	2, 6-ジクロロ[1, 1'-ビフェニル]	2,6-dichlorobiphenyl
	33284-50-3	2, 4-ジクロロ[1, 1'-ビフェニル]	2,4-dichlorobiphenyl
	33284-52-5	3, 3', 5, 5'-テトラクロロ[1, 1'-ビフェニル]	3,3',5,5'-tetrachlorobiphenyl
	33284-53-6	2, 3, 4, 5-テトラクロロ[1, 1'-ビフェニル]	2,3,4,5-tetrachlorobiphenyl
	33284-54-7	2, 3, 5, 6-テトラクロロ[1, 1'-ビフェニル]	2,3,5,6-tetrachlorobiphenyl
	33979-03-2	2, 2', 4, 4', 6, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',4,4',6,6'-hexachlorobiphenyl
	34883-39-1	2, 5-ジクロロ[1, 1'-ビフェニル]	2,5-dichlorobiphenyl
	34883-41-5	3, 5-ジクロロ[1, 1'-ビフェニル]	3,5-dichlorobiphenyl
	34883-43-7	2, 4'-ジクロロ[1, 1'-ビフェニル]	2,4'-dichlorobiphenyl
	35065-27-1	2, 2', 4, 4', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]—U—14C	2,2',4,4',5,5'-hexachlorobiphenyl
	35065-28-2	2, 2', 3, 4, 4', 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5'-hexachlorobiphenyl
	35065-29-3	2, 2', 3, 4, 4', 5, 5'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5,5'-heptachlorobiphenyl
	35065-30-6	2, 2', 3, 3', 4, 4', 5-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5-heptachlorobiphenyl
	35693-92-6	2, 4, 6-トリクロロ[1, 1'-ビフェニル]	2,4,6-trichlorobiphenyl
	35693-99-3	2, 2', 5, 5'-テトラクロロ[1, 1'-ビフェニル]	2,2',5,5'-tetrachlorobiphenyl
	35694-04-3	2, 2', 3, 3', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',5,5'-hexachlorobiphenyl
	35694-06-5	2, 2', 3, 4, 4', 5-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5-hexachlorobiphenyl
	35694-08-7	2, 2', 3, 3', 4, 4', 5, 5'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,5'-octachlorobiphenyl
	36559-22-5	2, 2', 3, 4'-テトラクロロ[1, 1'-ビフェニル]	2,2',3,4'-tetrachlorobiphenyl
	37680-65-2	2, 2', 5-トリクロロ[1, 1'-ビフェニル]	2,2',5-trichlorobiphenyl
	37680-66-3	2, 2', 4-トリクロロ[1, 1'-ビフェニル]	2,2',4-trichlorobiphenyl
	37680-68-5	2, 3', 5'-トリクロロ[1, 1'-ビフェニル]	2,3',5'-trichlorobiphenyl
	37680-69-6	3, 3', 4-トリクロロ[1, 1'-ビフェニル]	3,3',4-trichlorobiphenyl
	37680-73-2	2, 2', 4, 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,5,5'-pentachlorobiphenyl
	38379-99-6	2, 2', 3, 5', 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,5',6-pentachlorobiphenyl
	38380-01-7	2, 2', 4, 4', 5-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,4',5-pentachlorobiphenyl
	38380-02-8	2, 2', 3, 4, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4,5'-pentachlorobiphenyl
	38380-03-9	2, 3, 3', 4', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4',6-pentachlorobiphenyl

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	38380-04-0	2, 2', 3, 4', 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4',5',6-hexachlorobiphenyl
	38380-05-1	2, 2', 3, 3', 4, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',4,6'-hexachlorobiphenyl
	38380-07-3	2, 2', 3, 3', 4, 4'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4'-hexachlorobiphenyl
	38380-08-4	2, 3, 3', 4, 4', 5-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,4',5-hexachlorobiphenyl
	38411-22-2	2, 2', 3, 3', 6, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',6,6'-hexachlorobiphenyl
	38411-25-5	2, 2', 3, 3', 4, 5, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,6'-heptachlorobiphenyl
	38444-73-4	2, 2', 6-トリクロロ[1, 1'-ビフェニル]	2,2',6-trichlorobiphenyl
	38444-76-7	2, 3', 6-トリクロロ[1, 1'-ビフェニル]	2,3',6-trichlorobiphenyl
	38444-77-8	2, 4', 6-トリクロロ[1, 1'-ビフェニル]	2,4',6-trichlorobiphenyl
	38444-78-9	2, 2', 3-トリクロロ[1, 1'-ビフェニル]	2,2',3-trichlorobiphenyl
	38444-81-4	2, 3', 5-トリクロロ[1, 1'-ビフェニル]	2,3',5-trichlorobiphenyl
	38444-84-7	2, 3, 3'-トリクロロ[1, 1'-ビフェニル]	2,3,3'-trichlorobiphenyl
	38444-85-8	2, 3, 4'-トリクロロ[1, 1'-ビフェニル]	2,3,4'-trichlorobiphenyl
	38444-86-9	2, 3', 4'-トリクロロ[1, 1'-ビフェニル]	2',3,4-trichlorobiphenyl
	38444-87-0	3, 3', 5-トリクロロ[1, 1'-ビフェニル]	3,3',5-trichlorobiphenyl
	38444-88-1	3, 4', 5-トリクロロ[1, 1'-ビフェニル]	3,4',5-trichlorobiphenyl
	38444-90-5	3, 4, 4'-トリクロロ[1, 1'-ビフェニル]	3,4,4'-trichlorobiphenyl
	38444-93-8	2, 2', 3, 3'-テトラクロロ[1, 1'-ビフェニル]	2,2',3,3'-tetrachlorobiphenyl
	39485-83-1	2, 2', 4, 4', 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,4',6-pentachlorobiphenyl
	39635-31-9	2, 3, 3', 4, 4', 5, 5'-ヘプタクロロ[1, 1'-ビフェニル]	2,3,3',4,4',5,5'-heptachlorobiphenyl
	39635-32-0	2, 3, 3', 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',5,5'-pentachlorobiphenyl
	39635-33-1	3, 3', 4, 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	3,3',4,5,5'-pentachlorobiphenyl
	39635-34-2	2, 3, 3', 4', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4',5,5'-hexachlorobiphenyl
	39635-35-3	2, 3, 3', 4, 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,5,5'-hexachlorobiphenyl
	40186-70-7	2, 2', 3, 3', 4, 5', 6-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5',6-heptachlorobiphenyl
	40186-71-8	2, 2', 3, 3', 4, 5', 6, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5',6,6'-octachlorobiphenyl
	40186-72-9	2, 2', 3, 3', 4, 4', 5, 5', 6-ノナクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl
	41411-61-4	2, 2', 3, 4, 5, 6-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,5,6-hexachlorobiphenyl
	41411-62-5	2, 3, 3', 4, 5, 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,5,6-hexachlorobiphenyl
	41411-63-6	2, 3, 4, 4', 5, 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,4,4',5,6-hexachlorobiphenyl
	41411-64-7	2, 3, 3', 4, 4', 5, 6-ヘプタクロロ[1, 1'-ビフェニル]	2,3,3',4,4',5,6-heptachlorobiphenyl
	41464-39-5	2, 2', 3, 5'-テトラクロロ[1, 1'-ビフェニル]	2,2',3,5'-tetrachlorobiphenyl
	41464-40-8	2, 2', 4, 5'-テトラクロロ[1, 1'-ビフェニル]	2,2',4,5'-tetrachlorobiphenyl
	41464-41-9	2, 2', 5, 6'-テトラクロロ[1, 1'-ビフェニル]	2,2',5,6'-tetrachlorobiphenyl
	41464-42-0	2, 3', 5, 5'-テトラクロロ[1, 1'-ビフェニル]	2,3',5,5'-tetrachlorobiphenyl
	41464-43-1	2, 3, 3', 4'-テトラクロロ[1, 1'-ビフェニル]	2,3,3',4'-tetrachlorobiphenyl
	41464-46-4	2, 3', 4', 6-テトラクロロ[1, 1'-ビフェニル]	2,3',4',6-tetrachlorobiphenyl
	41464-47-5	2, 2', 3, 6'-テトラクロロ[1, 1'-ビフェニル]	2,2',3,6'-tetrachlorobiphenyl
	41464-48-6	3, 3', 4, 5'-テトラクロロ[1, 1'-ビフェニル]	3,3',4,5'-tetrachlorobiphenyl
	41464-49-7	2, 3, 3', 5'-テトラクロロ[1, 1'-ビフェニル]	2,3,3',5'-tetrachlorobiphenyl
	41464-51-1	2, 2', 3, 4', 5'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4',5'-pentachlorobiphenyl
	42740-50-1	2, 2', 3, 3', 4, 4', 5, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,6'-octachlorobiphenyl
	51908-16-8	2, 2', 3, 4', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4',5,5'-hexachlorobiphenyl
	52663-58-8	2, 3, 4', 6-テトラクロロ[1, 1'-ビフェニル]	2,3,4',6-tetrachlorobiphenyl
	52663-59-9	2, 2', 3, 4-テトラクロロ[1, 1'-ビフェニル]	2,2',3,4-tetrachlorobiphenyl
	52663-60-2	2, 2', 3, 3', 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,3',6-pentachlorobiphenyl
	52663-61-3	2, 2', 3, 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,5,5'-pentachlorobiphenyl
	52663-63-5	2, 2', 3, 5, 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,5,5',6-hexachlorobiphenyl
	52663-64-6	2, 2', 3, 3', 5, 6, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',5,6,6'-heptachlorobiphenyl
	52663-65-7	2, 2', 3, 3', 4, 6, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,6,6'-heptachlorobiphenyl

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	52663-66-8	2, 2', 3, 3', 4, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5'-hexachlorobiphenyl
	52663-67-9	2, 2', 3, 3', 5, 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',5,5',6'-heptachlorobiphenyl
	52663-68-0	2, 2', 3, 4', 5, 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4',5,5',6'-heptachlorobiphenyl
	52663-69-1	2, 2', 3, 4, 4', 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5',6'-heptachlorobiphenyl
	52663-70-4	2, 2', 3, 3', 4, 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5',6'-heptachlorobiphenyl
	52663-71-5	2, 2', 3, 3', 4, 4', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',6'-heptachlorobiphenyl
	52663-72-6	2, 3, 4, 4', 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,3',4,4',5,5'-hexachlorobiphenyl
	52663-73-7	2, 2', 3, 3', 4, 5, 6, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,6,6'-octachlorobiphenyl
	52663-74-8	2, 2', 3, 3', 4, 5, 5'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,5'-heptachlorobiphenyl
	52663-75-9	2, 2', 3, 3', 4, 5, 5', 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,5',6'-octachlorobiphenyl
	52663-76-0	2, 2', 3, 4, 4', 5, 5', 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5,5',6'-octachlorobiphenyl
	52663-77-1	2, 2', 3, 3', 4, 5, 5', 6, 6'-ノナクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,5',6,6'-nonachlorobiphenyl
	52663-78-2	2, 2', 3, 3', 4, 4', 5, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,6'-octachlorobiphenyl
	52663-79-3	2, 2', 3, 3', 4, 4', 5, 6, 6'-ノナクロロ[1, 1'-ビフェニル]	2,2',3,3',4,4',5,6,6'-nonachlorobiphenyl
	52704-70-8	2, 2', 3, 3', 5, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',5,6'-hexachlorobiphenyl
	52712-04-6	2, 2', 3, 4, 5, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,5,5'-hexachlorobiphenyl
	52712-05-7	2, 2', 3, 4, 5, 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,5,5',6'-heptachlorobiphenyl
	52744-13-5	2, 2', 3, 3', 5, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',5,6'-hexachlorobiphenyl
	53555-66-1	3, 4, 5-トリクロロ[1, 1'-ビフェニル]	3,4,5-trichlorobiphenyl
	54230-22-7	2, 3, 4, 6-テトラクロロ[1, 1'-ビフェニル]	2,3,4,6-tetrachlorobiphenyl
	55215-17-3	2, 2', 3, 4, 6-ペンタクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,6-pentachlorobiphenyl
	55215-18-4	2, 2', 3, 3', 4, 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5'-hexachlorobiphenyl
	55312-69-1	2, 2', 3, 4, 5-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4,5-pentachlorobiphenyl
	55702-45-9	2, 3, 6-トリクロロ[1, 1'-ビフェニル]	2,3,6-trichlorobiphenyl
	55702-46-0	2, 3, 4-トリクロロ[1, 1'-ビフェニル]	2,3,4-trichlorobiphenyl
	55712-37-3	2, 3', 4-トリクロロ[1, 1'-ビフェニル]	2,3',4-trichlorobiphenyl
	55720-44-0	2, 3, 5-トリクロロ[1, 1'-ビフェニル]	2,3,5-trichlorobiphenyl
	56030-56-9	2, 2', 3, 4, 4', 6'-ヘキサクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,4',6'-hexachlorobiphenyl
	56558-16-8	2, 2', 4, 6, 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,6,6'-pentachlorobiphenyl
	56558-17-9	2, 3', 4, 4', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3',4,4',6-pentachlorobiphenyl
	56558-18-0	2, 3', 4, 5', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3',4,5',6-pentachlorobiphenyl
	74472-53-0	2, 3, 3', 4, 4', 5, 5', 6'-オクタクロロビフェニル	2,3,3',4,4',5,5',6'-octachlorobiphenyl
	57465-28-8	3, 3', 4, 4', 5-ペンタクロロ[1, 1'-ビフェニル]	3,3',4,4',5-pentachlorobiphenyl
	59291-64-4	2, 2', 3, 4, 4', 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,4',6'-hexachlorobiphenyl
	59291-65-5	2, 3, 4, 4', 5', 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,3',4,4',5',6'-hexachlorobiphenyl
	60145-20-2	2, 2', 3, 3', 5-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,3',5-pentachlorobiphenyl
	60145-21-3	2, 2', 4, 5', 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,5',6-pentachlorobiphenyl
	60145-22-4	2, 2', 4, 4', 5, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',4,4',5,6'-hexachlorobiphenyl
	60145-23-5	2, 2', 3, 4, 4', 5, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5,6'-heptachlorobiphenyl
	60233-24-1	2, 3', 4, 6-テトラクロロ[1, 1'-ビフェニル]	2,3',4,6-tetrachlorobiphenyl
	60233-25-2	2, 2', 3, 4', 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4',6'-pentachlorobiphenyl
	61798-70-7	2, 2', 3, 3', 4, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,3',4,6'-hexachlorobiphenyl
	62796-65-0	2, 2', 4, 6-テトラクロロ[1, 1'-ビフェニル]	2,2',4,6-tetrachlorobiphenyl
	65510-44-3	2, 3', 4, 4', 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3',4,4',5'-pentachlorobiphenyl
	65510-45-4	2, 2', 3, 4, 4'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4,4'-pentachlorobiphenyl
	68194-04-7	2, 2', 4, 6'-テトラクロロ[1, 1'-ビフェニル]	2,2',4,6'-tetrachlorobiphenyl
	68194-05-8	2, 2', 3, 4', 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4',6-pentachlorobiphenyl
	68194-06-9	2, 2', 4, 5, 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',4,5,6'-pentachlorobiphenyl
	68194-07-0	2, 2', 3, 4', 5-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4',5-pentachlorobiphenyl
	68194-08-1	2, 2', 3, 4', 6, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4',6,6'-hexachlorobiphenyl

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	68194-09-2	2, 2', 3, 5, 6, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,5,6,6'-hexachlorobiphenyl
	68194-10-5	2, 3, 3', 5', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',5',6-pentachlorobiphenyl
	68194-11-6	2, 3, 4', 5, 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,4',5,6-pentachlorobiphenyl
	68194-12-7	2, 3', 4', 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3',4,5,5'-pentachlorobiphenyl
	68194-13-8	2, 2', 3, 4', 5, 6-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4',5,6-hexachlorobiphenyl
	68194-14-9	2, 2', 3, 4, 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,5',6-hexachlorobiphenyl
	68194-15-0	2, 2', 3, 4, 5, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,5,6'-hexachlorobiphenyl
	68194-16-1	2, 2', 3, 3', 4, 5, 6-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,6-heptachlorobiphenyl
	68194-17-2	2, 2', 3, 3', 4, 5, 5', 6-オクタクロロ[1, 1'-ビフェニル]	2,2',3,3',4,5,5',6-octachlorobiphenyl
	69782-90-7	2, 3, 3', 4, 4', 5'-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,4',5'-hexachlorobiphenyl
	69782-91-8	2, 3, 3', 4', 5, 5', 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,3,3',4',5,5',6'-heptachlorobiphenyl
	7012-37-5	2, 4, 4'-トリクロロ[1, 1'-ビフェニル]	2,4,4'-trichlorobiphenyl
	70362-41-3	2, 3, 3', 4, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4,5'-pentachlorobiphenyl
	70362-45-7	2, 2', 3, 6-テトラクロロ[1, 1'-ビフェニル]	2,2',3,6-tetrachlorobiphenyl
	70362-46-8	2, 2', 3, 5-テトラクロロ[1, 1'-ビフェニル]	2,2',3,5-tetrachlorobiphenyl
	70362-48-0	2, 3', 4', 5'-テトラクロロ[1, 1'-ビフェニル]	2,3',4',5'-tetrachlorobiphenyl
	70362-49-1	3, 3', 4, 5-テトラクロロ[1, 1'-ビフェニル]	3,3',4,5-tetrachlorobiphenyl
	70362-50-4	3, 4, 4', 5-テトラクロロ[1, 1'-ビフェニル]	3,4,4',5-tetrachlorobiphenyl
	70424-67-8	2, 3, 3', 5-テトラクロロ[1, 1'-ビフェニル]	2,3,3',5-tetrachlorobiphenyl
	70424-68-9	2, 3, 3', 4', 5-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4',5-pentachlorobiphenyl
	70424-69-0	2, 3, 3', 4, 5-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4,5-pentachlorobiphenyl
	70424-70-3	2, 3', 4', 5, 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3',4',5,5'-pentachlorobiphenyl
	73575-52-7	2, 3', 4, 5'-テトラクロロ[1, 1'-ビフェニル]	2,3',4,5'-tetrachlorobiphenyl
	73575-53-8	2, 3', 4, 5-テトラクロロ[1, 1'-ビフェニル]	2,3',4,5-tetrachlorobiphenyl
	73575-54-9	2, 2', 3, 6, 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,6,6'-pentachlorobiphenyl
	73575-55-0	2, 2', 3, 5, 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,5,6'-pentachlorobiphenyl
	73575-56-1	2, 2', 3, 5, 6-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,5,6-pentachlorobiphenyl
	73575-57-2	2, 2', 3, 4, 6'-ペンタクロロ[1, 1'-ビフェニル]	2,2',3,4,6'-pentachlorobiphenyl
	74338-23-1	2, 3', 5', 6-テトラクロロ[1, 1'-ビフェニル]	2,3',5',6-tetrachlorobiphenyl
	74338-24-2	2, 3, 3', 4-テトラクロロ[1, 1'-ビフェニル]	2,3,3',4-tetrachlorobiphenyl
	74472-33-6	2, 3, 3', 6-テトラクロロ[1, 1'-ビフェニル]	2,3,3',6-tetrachlorobiphenyl
	74472-34-7	2, 3, 4', 5-テトラクロロ[1, 1'-ビフェニル]	2,3,4',5-tetrachlorobiphenyl
	74472-35-8	2, 3, 3', 4, 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4,6-pentachlorobiphenyl
	74472-36-9	2, 3, 3', 5, 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',5,6-pentachlorobiphenyl
	74472-37-0	2, 3, 4, 4', 5-ペンタクロロ[1, 1'-ビフェニル]	2,3,4,4',5-pentachlorobiphenyl
	74472-38-1	2, 3, 4, 4', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3,4,4',6-pentachlorobiphenyl
	74472-39-2	2, 3', 4', 5', 6-ペンタクロロ[1, 1'-ビフェニル]	2,3',4',5',6-pentachlorobiphenyl
	74472-40-5	2, 2', 3, 4, 6, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4,6,6'-hexachlorobiphenyl
	74472-41-6	2, 2', 3, 4', 5, 6'-ヘキサクロロ[1, 1'-ビフェニル]	2,2',3,4',5,6'-hexachlorobiphenyl
	74472-42-7	2, 3, 3', 4, 4', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,4',6-hexachlorobiphenyl
	74472-43-8	2, 3, 3', 4, 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4,5',6-hexachlorobiphenyl
	74472-44-9	2, 3, 3', 4', 5, 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4',5,6-hexachlorobiphenyl
	74472-45-0	2, 3, 3', 4', 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',4',5',6-hexachlorobiphenyl
	74472-46-1	2, 3, 3', 5, 5', 6-ヘキサクロロ[1, 1'-ビフェニル]	2,3,3',5,5',6-hexachlorobiphenyl
	74472-47-2	2, 2', 3, 4, 4', 5, 6-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5,6-heptachlorobiphenyl
	74472-48-3	2, 2', 3, 4, 4', 6, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',6,6'-heptachlorobiphenyl
	74472-49-4	2, 2', 3, 4, 5, 6, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4,5,6,6'-heptachlorobiphenyl
	74472-50-7	2, 3, 3', 4, 4', 5', 6-ヘプタクロロ[1, 1'-ビフェニル]	2,3,3',4,4',5',6-heptachlorobiphenyl
	74472-51-8	2, 3, 3', 4, 5, 5', 6-ヘプタクロロ[1, 1'-ビフェニル]	2,3,3',4,5,5',6-heptachlorobiphenyl
	74472-52-9	2, 2', 3, 4, 4', 5, 6, 6'-オクタクロロ[1, 1'-ビフェニル]	2,2',3,4,4',5,6,6'-octachlorobiphenyl

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	74487-85-7	2, 2', 3, 4', 5, 6, 6'-ヘプタクロロ[1, 1'-ビフェニル]	2,2',3,4',5,6,6'-heptachlorobiphenyl
	76842-07-4	2, 3, 3', 4', 5'-ペンタクロロ[1, 1'-ビフェニル]	2,3,3',4',5'-pentachlorobiphenyl
	99554-08-2	(+)-2, 2', 3, 4, 6-ペンタクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,6-pentachlorobiphenyl
	99554-09-3	(+)-2, 2', 3, 4, 4', 6-ヘキサクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,4',6-hexachlorobiphenyl
	99554-10-6	(+)-2, 2', 3, 4, 6-ペンタクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,6-pentachlorobiphenyl
	99554-11-7	(-)-2, 2', 3, 4, 6-ペンタクロロ[1, 1'-ビフェニル]	(-)-2,2',3,4,6-pentachlorobiphenyl
	99554-12-8	(+)-2, 2', 3, 4, 4', 6-ヘキサクロロ[1, 1'-ビフェニル]	(+)-2,2',3,4,4',6-hexachlorobiphenyl
	99554-13-9	(-)-2, 2', 3, 4, 4', 6-ヘキサクロロ[1, 1'-ビフェニル]	(-)-2,2',3,4,4',6-hexachlorobiphenyl
10. PCN (polychlorinated naphthalene)	103426-92-2	1, 2, 4, 5, 7, 8-ヘキサクロロナフタレン	1,2,4,5,7,8-Hexachloro naphthalene
	103426-93-3	1, 2, 3, 4, 5, 8-ヘキサクロロナフタレン	1,2,3,4,5,8-Hexachloro naphthalene
	103426-94-4	1, 2, 3, 5, 7, 8-ヘキサクロロナフタレン	1,2,3,5,7,8-Hexachloro naphthalene
	103426-95-5	1, 2, 3, 5, 6, 8-ヘキサクロロナフタレン	1,2,3,5,6,8-Hexachloro naphthalene
	103426-96-6	1, 2, 3, 4, 6, 7-ヘキサクロロナフタレン	1,2,3,4,6,7-Hexachloro naphthalene
	103426-97-7	1, 2, 3, 5, 6, 7-ヘキサクロロナフタレン	1,2,3,5,6,7-Hexachloro naphthalene
	1321-64-8	ペンタクロロナフタレン	Naphthalene, pentachloro-
	1321-65-9	トリクロロナフタレン	Naphthalene, trichloro-
	1335-87-1	ヘキサクロロナフタレン	Naphthalene, hexachloro-
	1335-88-2	テトラクロロナフタレン	Naphthalene, tetrachloro-
	149864-78-8	1, 2, 3, 6-テトラクロロナフタレン	1,2,3,6-Tetrachloro naphthalene
	149864-79-9	1, 2, 6, 7-テトラクロロナフタレン	1,2,6,7-Tetrachloro naphthalene
	149864-80-2	1, 2, 5, 8-テトラクロロナフタレン	1,2,5,8-Tetrachloro naphthalene
	149864-81-3	1, 2, 3, 8-テトラクロロナフタレン	1,2,3,8-Tetrachloro naphthalene
	149864-82-4	1, 2, 7, 8-テトラクロロナフタレン	1,2,7,8-Tetrachloro naphthalene
	150205-21-3	1, 2, 3, 7, 8-ペンタクロロナフタレン	1,2,3,7,8-Pentachloro naphthalene
	150224-15-0	1, 3, 6, 8-テトラクロロナフタレン	1,2,6,8-Tetrachloro naphthalene
	150224-16-1	1, 2, 3, 6, 7-ペンタクロロナフタレン	1,2,3,6,7-Pentachloro naphthalene
	150224-17-2	1, 2, 4, 6, 7-ペンタクロロナフタレン	1,2,4,6,7-Pentachloro naphthalene
	150224-18-3	1, 2, 3, 5, 6-ペンタクロロナフタレン	1,2,3,5,6-Pentachloro naphthalene
	150224-19-4	1, 2, 4, 5, 7-ペンタクロロナフタレン	1,2,4,5,7-Pentachloro naphthalene
	150224-20-7	1, 2, 4, 5, 6-ペンタクロロナフタレン	1,2,4,5,6-Pentachloro naphthalene
	150224-21-8	1, 2, 4, 7, 8-ペンタクロロナフタレン	1,2,4,7,8-Pentachloro naphthalene
	150224-22-9	1, 2, 4, 6, 8-ペンタクロロナフタレン	1,2,4,6,8-Pentachloro naphthalene
	150224-23-0	1, 2, 3, 6, 8-ペンタクロロナフタレン	1,2,3,6,8-Pentachloro naphthalene
	150224-24-1	1, 2, 3, 5, 8-ペンタクロロナフタレン	1,2,3,5,8-Pentachloro naphthalene
	150224-25-2	1, 2, 4, 5, 8-ペンタクロロナフタレン	1,2,4,5,8-Pentachloro naphthalene
	17062-87-2	1, 2, 3, 6, 7, 8-ヘキサクロロナフタレン	1,2,3,6,7,8-Hexachloro naphthalene
	20020-02-4	1, 2, 3, 4-テトラクロロナフタレン	1,2,3,4-Tetrachloro naphthalene
	2234-13-1	オクタクロロナフタレン	Naphthalene, octachloro-
	2437-54-9	1, 4, 6-トリクロロナフタレン	1,4,6-Trichloro naphthalene
	2437-55-0	1, 4, 5-トリクロロナフタレン	1,4,5-Trichloro naphthalene
	31604-28-1	1, 3, 5, 8-テトラクロロナフタレン	1,3,5,8-Tetrachloro naphthalene
	32241-08-0	ヘプタクロロナフタレン	Naphthalene, heptachloro-
	3432-57-3	1, 4, 5, 8-テトラクロロナフタレン	1,4,5,8-Tetrachloro naphthalene
	34588-40-4	2, 3, 6, 7-テトラクロロナフタレン	2,3,6,7-Tetrachloro naphthalene
	50402-51-2	1, 2, 4-トリクロロナフタレン	1,2,4-Trichloro naphthalene
	50402-52-3	1, 2, 3-トリクロロナフタレン	1,2,3-Trichloro naphthalene
	51570-43-5	1, 3, 5-トリクロロナフタレン	1,3,5-Trichloro naphthalene
	51570-44-6	1, 2, 6-トリクロロナフタレン	1,2,6-Trichloro naphthalene
	51570-45-7	1, 2, 4, 6-テトラクロロナフタレン	1,2,4,6-Tetrachloro naphthalene
	53555-63-8	1, 2, 3, 5-テトラクロロナフタレン	1,2,3,5-Tetrachloro naphthalene

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	53555-64-9	1, 3, 5, 7-テトラクロロナフタレン	1,3,5,7-Tetrachloro naphthalene
	53555-65-0	1, 2, 3, 5, 7-ペンタクロロナフタレン	1,2,3,5,7-Pentachloro naphthalene
	55720-33-7	1, 2, 5-トリクロロナフタレン	1,2,5-Trichloro naphthalene
	55720-34-8	1, 2, 7-トリクロロナフタレン	1,2,7-Trichloro naphthalene
	55720-35-9	1, 2, 8-トリクロロナフタレン	1,2,8-Trichloro naphthalene
	55720-36-0	1, 3, 6-トリクロロナフタレン	1,3,6-Trichloro naphthalene
	55720-37-1	1, 3, 7-トリクロロナフタレン	1,3,7-Trichloro naphthalene
	55720-38-2	1, 3, 8-トリクロロナフタレン	1,3,8-Trichloro naphthalene
	55720-39-3	1, 6, 7-トリクロロナフタレン	1,6,7-Trichloro naphthalene
	55720-40-6	2, 3, 6-トリクロロナフタレン	2,3,6-Trichloro naphthalene
	55720-41-7	1, 2, 3, 7-テトラクロロナフタレン	1,2,3,7-Tetrachloro naphthalene
	55720-42-8	1, 3, 6, 7-テトラクロロナフタレン	1,3,6,7-Tetrachloro naphthalene
	55720-43-9	1, 4, 6, 7-テトラクロロナフタレン	1,4,6,7-Tetrachloro naphthalene
	58863-14-2	1, 2, 3, 4, 5, 6, 7-ヘプタクロロナフタレン	1,2,3,4,5,6,7-Heptachloro naphthalene
	58863-15-3	1, 2, 3, 4, 5, 6, 8-ヘプタクロロナフタレン	1,2,3,4,5,6,8-Heptachloro naphthalene
	58877-88-6	1, 2, 3, 4, 5, 6-ヘキサクロロナフタレン	1,2,3,4,5,6-Hexachloro naphthalene
	6529-87-9	1, 2, 4, 8-テトラクロロナフタレン	1,2,4,8-Tetrachloro naphthalene
	6733-54-6	1, 2, 4, 5-テトラクロロナフタレン	1,2,4,5-Tetrachloro naphthalene
	67922-21-8	1, 2, 4, 7-テトラクロロナフタレン	1,2,4,7-Tetrachloro naphthalene
	67922-22-9	1, 2, 5, 6-テトラクロロナフタレン	1,2,5,6-Tetrachloro naphthalene
	67922-23-0	1, 2, 5, 7-テトラクロロナフタレン	1,2,5,7-Tetrachloro naphthalene
	67922-24-1	1, 2, 6, 8-テトラクロロナフタレン	1,2,6,8-Tetrachloro naphthalene
	67922-25-2	1, 2, 3, 4, 5-ペンタクロロナフタレン	1,2,3,4,5-Pentachloro naphthalene
	67922-26-3	1, 2, 3, 4, 6-ペンタクロロナフタレン	Naphthalene, 1,2,3,4,6-pentachloro-
	67922-27-4	1, 2, 3, 4, 5, 7-ヘキサクロロナフタレン	1,2,3,4,5,7-Hexachloro naphthalene
	90948-28-0	1, 2, 4, 5, 6, 8-ヘキサクロロナフタレン	1,2,3,4,5,8-Hexachloro naphthalene
	1825-30-5	1, 5-ジクロロナフタレン	1,5-Dichloronaphthalene
	1825-31-6	1, 4-ジクロロナフタレン	1,4-Dichloronaphthalene
	2050-69-3	1, 2-ジクロロナフタレン	1,2-Dichloronaphthalene
	2050-72-8	1, 6-ジクロロナフタレン	1,6-Dichloronaphthalene
	2050-73-9	1, 7-ジクロロナフタレン	1,7-Dichloronaphthalene
	2050-74-0	1, 8-ジクロロナフタレン	1,8-Dichloronaphthalene
	2050-75-1	2, 3-ジクロロナフタレン	2,3-Dichloronaphthalene
	2065-70-5	2, 6-ジクロロナフタレン	2,6-Dichloronaphthalene
	2198-75-6	1, 3-ジクロロナフタレン	1,3-Dichloronaphthalene
	2198-77-8	2, 7-ジクロロナフタレン	2,7-Dichloronaphthalene
	28699-88-9	ジクロロナフタレン	Dichloronaphthalene
16. Chlordanes	12789-03-6	クロルデン	Chlordane
	3734-48-3	4, 5, 6, 7, 8-ヘキサクロロ-3a, 4, 7, 7a-テトラヒドロ-4, 7-メタノ-1H-インデン	4,7-Methano-1H-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-
	5103-71-9	α-クロルデン	(1a,2a,3aa,4b,7b,7aa)-1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene
	5103-74-2	β-クロルデン	(1a,2b,3aa,4b,7b,7aa)-1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene
	5566-34-7	γ-クロルデン	2,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene
	6058-23-7	2,3,4,5,7,7-ヘキサクロロ-1a,1b,5,5a,6,6a-ヘキサヒドロ-2,5-メタノ-2H-インデン[1,2-b]オキシレン	2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,7,7-hexachloro-1a,1b,5,5a,6,6a-hexahydro-
	56534-03-3	1,2,4,5,6,7,8,8-オクタクロロ-2,3,4a,4,7,7a-ヘキサヒドロ-4,7-メタノ-1H-インデン(別名:クロルデン又はヘプタクロル)	1,6-Methano-1H-indene, 2,3,3a,4,5,7-hexachloro-3a,6,7,7a-tetrahydro-, (1R,3aR,6S,7S,7aR)-rel-
	57-74-9	1, 3, 4, 7, 8, 9, 10, 10-オクタクロロトリシクロ[5. 2. 1. 0(2, 6)]デカ-8-エン	1,3,4,7,8,9,10,10-Octachlorotricyclo[5.2.1.0(2,6)]dec-8-ene
	76-44-8	ヘプタクロル	heptachlor

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
18. Phenylenediamines	15017-02-4	N, N'-ジ(オトリル)-p-フェニレンジアミン	1,4-Benzenediamine, N,N'-bis(2-methylphenyl)-
	27417-40-9	N, N'-ジトリル-p-フェニレンジアミン(別名N-モノメチルフェニル-N'-モノメチルフェニル-p-フェニレンジアミン)	1,4-Benzenediamine, N,N'-bis(methylphenyl)-
	28726-30-9	N, N'-ジキシリル-p-フェニレンジアミン	1,4-Benzenediamine, N,N'-bis(dimethylphenyl)-
	620-91-7	N, N'-ジ(p-トリル)-p-フェニレンジアミン	1,4-Benzenediamine, N,N'-bis(4-methylphenyl)-
	63302-30-7	N-(3-メチルフェニル)-N'-(4-メチルフェニル)-1, 4-フェニレンジアミン	
	63302-32-9	N-(2-メチルフェニル)-N'-(3-メチルフェニル)-1, 4-フェニレンジアミン	
	63302-33-0	N-(2-メチルフェニル)-N'-(4-メチルフェニル)-1, 4-フェニレンジアミン	
	63302-48-7	N, N'-ビス(3-メチルフェニル)-1, 4-フェニレンジアミン	
	67265-98-9	N, N'-ビス(2, 5-ジメチルフェニル)-1, 4-フェニレンジアミン	
	68478-45-5	N, N'-ジトリル-p-フェニレンジアミン(異性体混合物)	1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs.
	70290-05-0	N-トリル-N'-キシリル-p-フェニレンジアミン	1,4-Benzenediamine, N-(dimethylphenyl)-N'-(methylphenyl)-
	76154-76-2	N, N'-ビス(2, 4-ジメチルフェニル)-1, 4-フェニレンジアミン	
26. Biphenyl-4-ylamine (Alias: 4-aminodiphenyl) and salts	92-67-1	4-アミノビフェニル	Biphenyl-4-ylamine
		4-アミノビフェニルの塩	Biphenyl-4-ylamine salts
27. β-naphthylamine and salts	91-59-8	β-ナフチルアミン	2-Naphthalenamine
		β-ナフチルアミンの塩	2-Naphthalenamine salts
28. 4-nitrobiphenyl (Alias: 4-nitrodiphenyl) and salts	92-93-3	4-ニトロビフェニル	4-nitrobiphenyl
		4-ニトロビフェニルの塩	4-nitrobiphenyl salts
29. Benzidine and salts	92-87-5	ベンジジン	[1,1'-Biphenyl]-4,4'-diamine
		ベンジジンの塩	[1,1'-Biphenyl]-4,4'-diamine salts
31. PFOS and salts	1763-23-1	ペルフルオロ(オクタン-1-スルホン酸)	Perfluoro(octane-1-sulfonic acid)
	2795-39-3	ペルフルオロオクタン-1-スルホン酸カリウム	Potassium perfluorooctane-1-sulfonate
	29457-72-5	ペルフルオロオクタン-1-スルホン酸リチウム	Lithium perfluorooctane-1-sulfonate
	29081-56-9	ペルフルオロオクタン-1-スルホン酸アンモニウム	Ammonium perfluorooctane-1-sulfonate
	70225-14-8	ペルフルオロオクタン-1-スルホン酸ジエタノールアンモニウム	Compound of 2,2'-iminodiethanol and perfluorooctane-1-sulfonic acid (1:1)
	56773-42-3	ペルフルオロオクタン-1-スルホン酸テトラエチルアンモニウム	Tetraethylammonium perfluorooctane-1-sulfonate
	251099-16-8	ペルフルオロオクタン-1-スルホン酸ジメチルアンモニウム	Didecan-1-yl(dimethyl)ammonium perfluorooctane-1-sulfonate
43. Endosulfan (benzoeopin)	115-29-7	1, 9, 10, 11, 12, 12-ヘキサクロロ-5-オキソ-4, 6-ジオキサ-5λ(4)-チアトリシクロ[7. 2. 1. 0(2, 8)]ドデカ-10-エン	1,9,10,11,12,12-Hexachloro-5-oxo-4,6-dioxo-5λ(4)-thiatriacyclo[7.2.1.0(2,8)]dodec-10-ene
	959-98-8	6, 7, 8, 9, 10, 10-ヘキサクロロ-1, 5, 5a, 6, 9, 9a-ヘキサヒドロ-6, 9-メタノ-2, 4, 3-ベンゾジオキサチエピン=3-オキシド(α-体)	alpha-Benzoeopin
	33213-65-9	6, 7, 8, 9, 10, 10-ヘキサクロロ-1, 5, 5a, 6, 9, 9a-ヘキサヒドロ-6, 9-メタノ-2, 4, 3-ベンゾジオキサチエピン=3-オキシド(β-体)	beta-Benzoeopin
44. Hexabromocyclododecane	25637-99-4	ヘキサブロモシクロドデカン	Hexabromocyclododecane
	3194-55-6	1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	1,2,5,6,9,10-Hexabromocyclododecane
	4736-49-6	rel-(1R, 2S, 5R, 6S, 9R, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	rel-(1R,2S,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	65701-47-5	rel-(1R, 2S, 5R, 6S, 9S, 10R)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	rel-(1R,2S,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane
	134237-50-6	rel-(1R, 2R, 5S, 6R, 9R, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	rel-(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	134237-51-7	rel-(1R, 2S, 5R, 6R, 9R, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	rel-(1R,2S,5R,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	134237-52-8	rel-(1R, 2R, 5R, 6S, 9S, 10R)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	rel-(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane
	138257-17-7	(1R, 2R, 5R, 6S, 9S, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	(1R,2R,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	138257-18-8	(1R, 2R, 5R, 6S, 9R, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	(1R,2R,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	138257-19-9	(1R, 2S, 5S, 6R, 9S, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	(1R,2S,5S,6R,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	169102-57-2	(1R, 2S, 5S, 6S, 9S, 10R)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	(1R,2S,5S,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane
	678970-15-5	(1R, 2R, 5S, 6R, 9R, 10S)-1, 2, 5, 6, 9, 10-ヘキサブロモシクロドデカン	(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane

* Details of applicable substances (representative examples)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	678970-16-6	(1R, 2S, 5R, 6S, 9S, 10S)－1, 2, 5, 6, 9, 10－ヘキサブROMシクロドデカン	(1R,2S,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane
	678970-17-7	(1R, 2R, 5R, 6S, 9S, 10R)－1, 2, 5, 6, 9, 10－ヘキサブROMシクロドデカン	(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane
45	87-86-5	2, 3, 4, 5, 6－ペンタクロロフェノール	2,3,4,5,6-Pentachlorophenol
Pentachlorophenol and salts and esters	131-52-2	ペンタクロロフェノールナトリウム	Sodium Pentachlorophenate
	3772-94-9	ペンタクロロフェニルラウレート／ペンタクロロフェノール	Pentachlorophenyl laurate
	27735-64-4	ペンタクロロフェノール (別名PCP) 及びそのナトリウム塩	Sodium pentachlorophenate monohydrate
46	18993-26-5	1, 1, 1, 3, 5, 7, 9, 11, 11－ノナクロウンデカン	Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-
Short chain chlorinated paraffins (C10-13)	36312-81-9	オクタクロウンデカン	Undecane, octachloro-
	219697-10-6	ヘプタクロウンデカン	Undecane, heptachloro-
	219697-11-7	ノナクロウンデカン	Undecane, nonachloro-
	221174-07-8	1, 2, 10, 11, ?, ?, ?, ?－オクタクロウンデカン	Undecane, 1,2,10,11,?,?,?,?-octachloro-
	276673-33-7	デカクロウンデカン	Undecane, decachloro-
	601523-20-0	1, 1, 1, 3, 6, 7, 10, 11－オクタクロウンデカン	Undecane, 1,1,1,3,6,7,10,11-octachloro-
	601523-25-5	1, 1, 1, 3, 9, 11, 11, 11－オクタクロウンデカン	Undecane, 1,1,1,3,9,11,11,11-octachloro-
	85535-84-8	クロロアルカン (C=10～13)	Chloroalkane(C10-13)
	68920-70-7	塩素化パラフィン (短鎖)	Alkanes, C6-18, chloro
	71011-12-6	塩素化パラフィン (短鎖)	Alkanes, C12-13, chloro
	85536-22-7	塩素化パラフィン (短鎖)	Alkanes, C12-14, chloro
	85681-73-8	塩素化パラフィン (短鎖)	Alkanes, C10-14, chloro
	108171-26-2	塩素化パラフィン (短鎖)	Alkanes, C10-12, chloro

Appendix Table 1-3
List of Exclusion Items of Prohibited Substances

No.	Exceptional uses
1	Hexachlorobenzene (HCB) may be usable if not exceeding the standard values specified by the administration with prior notification to the administration by the user. However, use of the substance shall be reduced to a technically and economically best feasible level based on consideration of the "Best Available Technology (BAT).

Appendix Table 2
Examples of Substances Subject to EU Standards Concerning Restricted Substances

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
1. Mercury/Mercury compounds	10031-18-2	臭化水銀(1+)	MERCURY (I) BROMIDE
	10045-94-0	硝酸水銀(2+)	Nitric acid, mercury(2+) salt
	10048-99-4	テトラヨード水銀酸バリウム	barium tetraiodomercurate
	100-56-1	塩化フェニル水銀(2+)	phenylmercury chloride
	100-57-2	水酸化フェニル水銀(2+)	Mercury, hydroxyphenyl-
	10112-91-1	塩化水銀(Hg ₂ Cl ₂)	Mercury chloride (Hg ₂ Cl ₂)
	10124-48-8	塩化アミド水銀(2+)	Mercury amide chloride (Hg(NH ₂)Cl)
	102-98-7	ホウ酸フェニル水銀	dihydrogen [orthoborato(3-)-O]phenylmercurate(2-)
	10415-75-5	硝酸水銀(1+)	Nitric acid, mercury(1+) salt
	10451-12-4	リン酸水銀(2+)	phosphoric acid, mercury salt
	1071-39-2	ジイソプロピル水銀	Mercury, bis(1-methylethyl)-
	107-26-6	臭化エチル水銀(2+)	bromoethylmercury
	107-27-7	塩化エチル水銀(2+)	ethylmercury chloride
	115-09-3	塩化メチル水銀(2+)	chloromethylmercury
	1184-57-2	水酸化メチル水銀(2+)	methylmercury hydroxide
	1191-80-6	(9Z)-9-オクタデセン酸水銀(2+)	9-Octadecenoic acid (9Z)-, mercury(2+) salt
	12068-90-5	テルル化水銀(2+)	Mercury telluride (HgTe)
	12344-40-0	ヨウ化銀水銀(HgAg ₂ I ₄)	mercury silver iodide
	1273-75-2	1-(クロロメルクリ)フェロセン	Ferrocene, (chloromercurio)-
	129-16-8	2,7-ジブロモ-3,6'-ジヒドロキシ-3-オキシスピロ[イソベンゾフラン-1(3H),9'-[9H]キサンテン]-4'-yl)ヒドロキシ-, 二ナトリウム塩	Mercury, (2',7'-dibromo-3,6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-4'-yl)hydroxy-, disodium salt
	13257-51-7	トリフルオロ酢酸水銀(2+)	mercury bis(trifluoroacetate)
	1335-31-5	オキシシアン化水銀(2+)	Mercury cyanide oxide (Hg ₂ (CN) ₂ O)
	13444-75-2	クロム酸水銀(2+)	mercuric chromate
	1344-48-5	硫化水銀(2+)	Mercury sulfide (HgS)
	13464-28-3	リン酸第二水銀	Phosphoric acid, mercury(2+) salt (2:3)
	13465-33-3	臭素酸水銀(1+)	mercury(1+) bromate
	13766-44-4	硫酸水銀(1)	MERCURY SULFATE
	13876-85-2	テトラヨード水銀酸銅(1+)	Mercurate(2-), tetraiodo-, dicopper(1+), (T-4)-
	138-85-2	(p-カルボキシフェニル)ヒドロキシ水銀(2+)ナトリウム塩	Mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium
	13932-02-0	過塩素酸水銀(1+)	Perchloric acid, mercury(1+) salt
	13967-25-4	フッ化水銀(1+)	dimercury difluoride
	14110-97-5	4-(クロロメルクリ)ベンゼンスルホン酸ナトリウム	Sodium chloro(4-sulfonatophenyl)mercurate(1-)
	143-36-2	ヨウ化メチル水銀(2+)	iodomethylmercury
	14376-09-1	ジアンミンジクロロ水銀(2+)	Mercury, diamminedichloro-, (T-4)-
	14459-36-0	亜セレン酸水銀(2+)	mercury(II) selenite
	14836-60-3	硝酸水銀(1+)一水和物	Nitric acid, mercury(1+)salt, hydrate
	15385-57-6	ヨウ化水銀(1+)(Hg ₂ I ₂)	dimercury diiodide
	15385-58-7	臭化水銀(1+)	Mercury bromide (Hg ₂ Br ₂)
	15829-53-5	酸化水銀(1+)	Mercury oxide (Hg ₂ O)
	1600-27-7	酢酸水銀(2+)	Acetic acid, mercury(2+) salt
	20601-83-6	セレン化水銀(2+)	Mercury selenide (HgSe)
	21908-53-2	酸化水銀(2+)	Mercury oxide (HgO)
	2440-34-8	[N-(p-メチルフェニルスルホニル)-N-フェニルアミノ]フェニル水銀	4-Methyl-N-phenyl-N-phenylmercurybenzenesulfonamide
	2440-40-6	塩化プロピル水銀(2+)	Chloro(propan-1-yl)mercury
	2440-45-1	リン酸水素ビス(エチル水銀)	bis(ethylmercury) hydrogen phosphate
	26522-91-8	臭素酸水銀二水和物(組成不定)	mercury bromate
	27228-67-7	テトラヨード水銀酸(2-)銅(2+)錯体	Mercurate(2-), tetraiodo-, copper(2+) (1:1), (T-4)-
	27575-47-9	フッ化水銀(1+)	mercury fluoride

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	27685-51-4	テトラチオシアナトコバルト酸水銀(2+)	Cobaltate(2-), tetrakis(thiocyanato-kN)-, mercury(2+) (1:1), (T-4)-
	28953-04-0	オキシフッ化水銀(2+)	mercuric oxyfluoride
	3076-91-3	塩化[p-[(2-ヒドロキシ-1-ナフチル)アゾ]フェニル]水銀(2+)	chloro[p-[(2-hydroxy-1-naphthyl)azo]phenyl]mercury
	31065-88-0	シアン化水酸化水銀(2+)	Mercury cyanide hydroxide (Hg(CN)(OH))
	3294-60-8	(トリブロモメチル)フェニル水銀(2+)	phenyl(tribromomethyl)mercury
	33770-60-4	2, 5-ジクロロ-3, 6-ジヒドロキシ-p-ベンゾキノン=水銀(2+)塩	Mercury, [3,6-dichloro-4,5-di(hydroxy-kO)-3,5-cyclohexadiene-1,2-dionato(2-)]-
	3570-80-7	2', 7'-ビス(アセトキシメルクリ)フルオレセイン	Mercury, bis(acetato-kO)[m-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-2',7'-diyl)]di-
	486-67-9	[3-(α-カルボキシ-ο-アニスアミド)-2-メトキシプロピル]ヒドロキシ水銀	mersalyl acid
	502-39-6	3-シアノグアニジン(メチル)水銀(2+)	1-cyano-3-(methylmercurio)guanidine
	506-83-2	臭化メチル水銀(2+)	bromomethylmercury
	51622-02-7	ジヘプチル水銀	Mercury, diheptyl-
	54129-03-2	フェニル[N-(ο-メチルフェニル)-N-(フェニルスルホニル)アミノ]水銀	Mercury, [N-(2-methylphenyl)benzenesulfonamidato-N]phenyl-
	543-63-5	塩化ブチル水銀(2+)	Butan-1-yl(chloro)mercury
	54-64-8	2-(エチルメルクリオチオ)安息香酸ナトリウム	Mercurate(1-), ethyl[2-(mercapto-kS)benzoato(2-)-kO]-, sodium
	55-68-5	硝酸フェニル水銀(2+)	Mercury, (nitrate-kO)phenyl-
	583-15-3	安息香酸水銀(2+)	mercury dibenzoate
	587-85-9	ジフェニル水銀	Mercury, diphenyl-
	591-89-9	テトラシアノ水銀酸カリウム	dipotassium tetracyanomercurate
	592-04-1	シアン水銀(2+)	Mercury cyanide (Hg(CN)2)
	5964-24-9	エチル(p-スルホフェニル)水銀ナトリウム塩	sodium timerfonate
	5970-32-1	ο-ヒドロキシ安息香酸水銀(2+)	[salicylato(2-)-O1,O2]mercury
	59-85-8	p-クロロ安息香酸水銀(2+)	Mercurate(1-), (4-carboxylatophenyl)chloro-, hydrogen
	62-38-4	酢酸フェニル水銀(2+)	Mercury, (acetato-kO)phenyl-
	62638-02-2	4-シクロヘキシルブタン酸水銀(2+)	Cyclohexanebutanoic acid, mercury(2+) salt
	6283-24-5	酢酸=p-アミノフェニル水銀(2+)	Mercury, (acetato-kO)(4-aminophenyl)-
	628-85-3	ジプロピル水銀	Mercury, dipropyl-
	628-86-4	雷酸水銀	Fulminic acid, mercury(2+) salt
	631-60-7	酢酸水銀(1+)	dimercury di(acetate)
	63937-14-4	D-グルコン酸水銀(2+)	GLUCONATE, MERCURY
	691-88-3	ジ-sec-ブチル水銀	Mercury, bis(1-methylpropyl)-
	73548-15-9	p-(ヒドロキシメルクリ)ベンゼンスルホン酸ナトリウム	Sodium hydroxy(4-sulfonatophenyl)mercuate(1-)
	7439-97-6	水銀	Mercury
	7487-94-7	塩化水銀(2+)	Mercury chloride (HgCl2)
	7546-30-7	塩化水銀(1+)	Mercury chloride (HgCl)
	7616-83-3	過塩素酸水銀(2+)	Perchloric acid, mercury(2+) salt
	7774-29-0	ヨウ化水銀(2+)	Mercury iodide (HgI2)
	7782-66-3	リン酸水銀(2+)	Mercury(II) phosphate
	7782-86-7	硝酸水銀(1+)-一水和物	Nitric acid, mercury(1+) salt, monohydrate
	7783-30-4	ヨウ化水銀(1+)	mercury iodide
	7783-33-7	テトラヨード水銀酸カリウム	Mercurate(2-), tetraiodo-, dipotassium, (T-4)-
	7783-34-8	硝酸水銀(2+)-一水和物	Nitric acid, mercury(2+) salt, monohydrate
	7783-35-9	硫酸水銀(2+)	Sulfuric acid, mercury(2+) salt (1:1)
	7783-36-0	硫酸水銀(1+)	Sulfuric acid, dimercury(1+) salt
	7783-39-3	フッ化水銀(2+)	Mercury fluoride (HgF2)
	7784-03-4	テトラヨード水銀酸銀(1+)	mercury disilver tetraiodide
	7784-37-4	ヒ酸水素水銀(2+)	mercury hydrogenarsenate
	7789-10-8	二クロム酸水銀(2+)	mercury dichromate
	7789-47-1	臭化水銀(2+)	Mercury bromide (HgBr2)
	8003-05-2	塩基性硝酸フェニル水銀	Mercury, hydroxyphenyl-, mixture with (nitrate-O)phenyl mercury
	13294-23-0	ビス(トリメチルシリルメチル)水銀	bis[(trimethylsilyl)methyl]mercury

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	51622-02-7	ジヘプチル水銀	Mercury, diheptyl-
	593-74-8	ジメチル水銀	Mercury, dimethyl-
	627-44-1	ジエチル水銀	Mercury, diethyl-
	628-85-3	ジプロピル水銀	Mercury, dipropyl-
	629-35-6	ジブチル水銀	Mercury, dibutyl-
	691-88-3	ジーsec-ブチル水銀	Mercury, bis(1-methylpropyl)-
	—	その他の水銀化合物	Other mercury compounds
2. Lead/Lead compounds	10031-13-7	亜ヒ酸鉛(2+)	lead arsenite
	10031-22-8	臭化鉛(2+)	Lead bromide (PbBr ₂)
	10099-74-8	硝酸鉛(2+)	Nitric acid, lead(2+) salt
	10099-76-0	ケイ酸鉛(2+)	Silicic acid (H ₂ SiO ₃), lead(2+) salt (1:1)
	10099-79-3	メタバナジン酸鉛(2+)	Lead vanadium oxide (PbV ₂ O ₆)
	10101-63-0	ヨウ化鉛(2+)	Lead iodide (PbI ₂)
	10190-55-3	モリブデン酸鉛(2+)	Lead molybdenum oxide (PbMoO ₄)
	10214-39-8	メタホウ酸鉛(2+)一水和物	Boric acid (HBO ₂), lead(2+) salt, monohydrate
	103427-19-6	2-ヒドロキシ-1-プロパンスルホン酸鉛(2+)	1-Propanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)
	1072-35-1	オクタデカン酸鉛(2+)	Octadecanoic acid, lead(2+) salt
	11113-70-5	ケイクロム酸鉛(組成不定)	Silicic acid, chromium lead salt
	11119-70-3	塩基性クロム酸鉛(組成不定)	Lead chromate
	11120-22-2	ケイ酸鉛(組成不定)	Silicic acid, lead salt
	114601-64-8	2-ヒドロキシ-1-プロパンスルホン酸鉛(組成不定)	1-Propanesulfonic acid, 2-hydroxy-, lead salt
	1153-06-6	塩化トリフェニル鉛	chlorotriphenylplumbane
	12013-69-3	鉛酸カルシウム	Plumbate (PbO ₄ -), calcium (1:2), (T-4)-
	12029-23-1	酸化ハフニウム鉛(HfPbO ₃)	hafnium lead trioxide
	12034-30-9	酸化ナトリウム鉛(Na ₂ PbO ₂)	Plumbate (PbO ₂ -), disodium
	12034-88-7	ニオブ酸鉛(2+)	Lead niobium oxide (PbNb ₂ O ₆)
	12036-76-9	オキシ硫酸鉛(2+)	Lead oxide sulfate (Pb ₂ O(SO ₄))
	12059-89-1	酸化鉛(Pb ₂ O)	Lead oxide (Pb ₂ O)
	12060-00-3	チタン酸鉛(2+)	Lead titanium oxide (PbTiO ₃)
	12060-01-4	ジルコン酸鉛(2+)	Lead zirconium oxide (PbZrO ₃)
	12065-68-8	タンタル酸鉛(2+)	Lead tantalum oxide (PbTa ₂ O ₆)
	12069-00-0	セレン化鉛(PbSe)	Lead selenide (PbSe)
	12202-17-4	オキシ硫酸鉛(Pb ₄ O ₃ (SO ₄))	Lead oxide sulfate (Pb ₄ O ₃ (SO ₄))
	12266-38-5	アンチモン化鉛(PbSb)	Antimony, compd. with lead (1:1)
	12275-07-9	三塩基性マレイン酸鉛	1,3,5,7,9-Pentaoxa-2,4,6,8-tetraplumbacyclotridec-11-ene-2,4,6,8-tetraylidene, 10,13-dioxo-, (11Z)-
	12578-12-0	ビス(オクタデカノアト)ジオキソ三鉛	Lead, bis(octadecanoato)dioxotri-
	12608-25-2	オキシ亜硫酸鉛(Pb ₂ O(SO ₃))	Basic lead sulfite
	12656-85-8	ピグメントレッド104	C.I. Pigment Red 104
	12676-62-9	ホウ酸鉛(組成不定)	Lead borate
	12774-29-7	酸化カルシウム鉛(組成不定)	Calcium plumbate
	130596-72-4	3, 5-ジメチルヘキサノ酸鉛(2+)	Hexanoic acid, 3,5-dimethyl-, lead(2+) salt
	1309-60-0	酸化鉛(4+)	Lead oxide (PbO ₂)
	1311-11-1	水酸化鉛	hydroxylead
	1314-41-6	酸化鉛(Pb ₃ O ₄)	Lead oxide (Pb ₃ O ₄)
	1314-87-0	硫化鉛(2+)	Lead sulfide (PbS)
	1314-91-6	テルル化鉛(PbTe)	Lead telluride (PbTe)
	1317-36-8	酸化鉛(2+)	Lead oxide (PbO)
	1319-46-6	水酸化炭酸鉛(2)	Lead, bis[carbonato(2-)]dihydroxytri-
	1335-25-7	酸化鉛(組成不定)	Lead oxide
	1335-32-6	塩基性酢酸鉛(2+)	Lead, bis(acetato-kO)tetrahydroxytri-
	13424-46-9	アジ化鉛	Lead azide (Pb(N ₃) ₂)
	13427-42-4	炭酸鉛	lead(II) carbonate

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	1344-36-1	水酸化炭酸鉛(2)	lead(II) hydroxycarbonate
	1344-37-2	ピグメントイエロー34	C.I. Pigment Yellow 34
	1344-38-3	ピグメントオレンジ21	Basic lead chromate orange
	13453-62-8	過塩素酸鉛三水和物(組成不定)	Perchloric acid, lead(2+) salt (2:1), trihydrate
	13510-89-9	酸化アンチモン鉛(Sb ₂ Pb ₃ O ₈)	Antimony lead oxide (Sb ₂ Pb ₃ O ₈)
	13637-76-8	過塩素酸鉛(2+)	Perchloric acid, lead(2+) salt
	13814-96-5	テトラフルオロホウ酸鉛(2+)	Borate(1-), tetrafluoro-, lead(2+) (2:1)
	14720-53-7	メタホウ酸鉛(Pb(BO ₂) ₂)	Boric acid (HBO ₂), lead(2+) salt
	14931-82-9	エチレンジアミン四酢酸二ナトリウム鉛	Ethylenediaminetetraacetic acid disodium lead salt
	15187-16-3	フタロシアニン鉛(2+)	Lead, [29H,31H-phthalocyaninato(2-)-kN29,kN30,kN31,kN32]-, (SP-4-1)-
	15245-44-0	2, 4, 6-トリニトロ-1, 3-ベンゼンジオール鉛(2+)塩	1,3-Benzenediol, 2,4,6-trinitro-, lead(2+) salt (1:1)
	15282-88-9	ビス(2, 4-ペンタンジオナト)鉛(2+)	bis(pentane-2,4-dionato-O,O')lead
	15306-30-6	ドデカン酸鉛(組成不定)	lauric acid, lead salt
	15347-57-6	酢酸鉛(組成不定)	Acetic acid, lead salt
	15516-84-4	4-メチル安息香酸鉛(2+)	p-Toluic acid, lead(4+) salt
	15696-43-2	オクタン酸鉛(組成不定)	Octanoic acid, lead salt
	15739-80-7	硫酸鉛(組成不定)	Sulfuric acid, lead salt
	15748-73-9	o-ヒドロキシ安息香酸鉛(2+)	Lead, bis[2-(hydroxy-kO)benzoato-kO]-, (T-4)-
	15773-52-1	デカン酸鉛(2+)	lead(2+) decanoate
	15773-53-2	ヘキサノ酸鉛(2+)	lead dihexanoate
	15773-55-4	ドデカン酸鉛(2+)	Dodecanoic acid, lead(2+) salt
	15773-56-5	ヘキサデカン酸鉛(2+)	lead dipalmitate
	15845-52-0	リン酸水素鉛(2+)	Phosphoric acid, lead(2+) salt (1:1)
	15907-04-7	安息香酸鉛(組成不定)	lead benzoate
	16038-76-9	ホスホン酸水素鉛(組成不定)	Phosphonic acid, lead salt
	16040-38-3	リン酸鉛(組成不定)	Lead phosphate
	16450-50-3	アンチモン酸鉛(2+)	diantimony lead tetroxide
	16996-40-0	2-エチルヘキサノ酸鉛(組成不定)	Hexanoic acid, 2-ethyl-, lead salt
	17277-22-9	N-エチル-N-シクロヘキシルチオカルバミド酸鉛(組成不定)	Lead N-ethyl-N-cyclohexyldithiocarbamate
	17570-76-2	メタンスルホン酸鉛(2+)	Methanesulfonic acid, lead(2+) salt
	1762-26-1	エチルトリメチル鉛	Plumbane, ethyltrimethyl-
	1762-27-2	ジエチルジメチル鉛	Plumbane, diethyldimethyl-
	1762-28-3	トリエチルメチル鉛	Plumbane, triethylmethyl-
	18454-12-1	塩基性クロム酸鉛(2+)	Lead chromate oxide (Pb ₂ (CrO ₄)O)
	19528-55-3	ヘキサデカン酸鉛(組成不定)	lead palmitate
	19783-14-3	水酸化鉛(Pb(OH) ₂)	Lead hydroxide (Pb(OH) ₂)
	20403-42-3	デカン酸鉛(組成不定)	decanoic acid, lead salt
	20534-94-5	鉛(2+)フェノキシド	Phenol, lead(2+) salt
	20837-86-9	シアナミド鉛(2+)	Cyanamide, lead(2+) salt (1:1)
	20890-10-2	シアナミド鉛(組成不定)	lead cyanamidate
	20936-32-7	2, 4-ジヒドロキシ安息香酸鉛(組成不定)	lead 2,4-dihydroxybenzoate
	21180-26-7	ヘプタン酸鉛(組成不定)	Heptanoic acid, lead salt
	23621-79-6	3, 5, 5-トリメチルヘキサノ酸鉛(組成不定)	Hexanoic acid, 3,5,5-trimethyl-, lead salt
	25510-11-6	炭酸鉛(組成不定)	Carbonic acid, lead(2+) salt
	25666-92-6	亜硫酸鉛(組成不定)	Lead sulfite
	25808-74-6	ヘキサフルオロケイ酸鉛(2+)二水和物	Silicate(2-), hexafluoro-, lead(2+) (1:1)
	25987-03-5	鉛フェノキシド(組成不定)	Phenol, lead salt
	27253-28-7	ネオデカン酸鉛(組成不定)	Neodecanoic acid, lead salt
	27253-41-4	イソノナン酸鉛(組成不定)	Isononanoic acid, lead salt
	30051-53-7	ビス(ジイソプロピルジチオカルバミド酸)鉛(2+)	Lead, bis[bis(1-methylethyl)carbamdithioato-S,S']-, (T-4)-
	301-04-2	酢酸鉛(2+)	Acetic acid, lead(2+) salt
	301-08-6	2-エチルヘキサノ酸鉛(2+)	Hexanoic acid, 2-ethyl-, lead(2+) salt

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	34295-32-4	2-メチル安息香酸鉛(4+)	o-Toluic acid, lead(4+) salt
	35498-15-8	オルトホウ酸鉛(2+)(組成不定)	orthoboric acid, lead(2+) salt
	35837-70-8	3, 5, 5-トリメチルヘキサノ酸鉛(2+)	lead bis(3,5,5-trimethylhexanoate)
	36501-84-5	ビス(ジペンチルジチオカルバミド酸)鉛(2+)	Lead, bis(dipentylcarbamodithioato-kS,kS')-, (T-4)-
	3687-31-8	ヒ酸鉛(2+)	trilead diarsenate
	41234-07-5	ノナン酸鉛(組成不定)	Nonanoic acid, lead salt
	41453-50-3	ビス(2, 4-ジヒドロキシ安息香酸)鉛(2+)	Benzoic acid, 2,4-dihydroxy-, lead(2+) salt (2:1)
	41556-46-1	ビス(ピペリジン-1-カルボジチオ酸)鉛(2+)	lead bis(piperidine-1-carbodithioate)
	512-26-5	クエン酸鉛(2+)	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3)
	51317-24-9	ニトロ-1, 3-ベンゼンジオール鉛塩(構造不定)	nitroresorcinol, lead salt
	52337-73-2	o-メチル安息香酸鉛(2+)	Benzoic acid, 2-methyl-, lead(2+) salt
	52847-85-5	イソノナン酸鉛(2+)(構造不定)	lead bis(isononanoate)
	546-67-8	酢酸鉛(4+)	Acetic acid, lead(4+) salt
	56189-09-4	オクタデカン酸鉛(二塩基性)	Lead, bis(octadecanoato)dioxodi-
	57142-78-6	二塩基性フタル酸鉛	Lead, [1,2-benzenedicarboxylato(2-)]oxodi-
	58274-53-6	p-メチル安息香酸鉛(2+)	Benzoic acid, 4-methyl-, lead(2+) salt
	58405-97-3	12-ヒドロキシオクタデカン酸鉛(2+)	lead bis(12-hydroxystearate)
	592-05-2	シアン化鉛(2+)	lead dicyanide
	592-87-0	チオシアン酸鉛(2+)	Thiocyanic acid, lead(2+) salt
	595-89-1	テトラフェニル鉛	tetraphenyllead
	598-63-0	炭酸鉛(2+)	Carbonic acid, lead(2+) salt (1:1)
	6080-56-4	酢酸鉛(2+)三水合物	Acetic acid, lead(2+) salt, trihydrate
	61790-14-5	ナフテン酸鉛(構造不定)	Naphthenic acids, lead salts
	63399-94-0	ヘプタデカン酸鉛(2+)	lead(2+) heptadecanoate
	63400-07-7	ウンデカン酸鉛(2+)	Undecanoic acid, lead(2+) salt
	63400-08-8	ノナン酸鉛(2+)	Nonanoic acid, lead(2+) salt
	63568-30-9	ジイソノニルナフタレンスルホン酸鉛(2+)(構造不定)	Naphthalenesulfonic acid, diisononyl-, lead(2+) salt
	63653-42-9	オキシ硫酸鉛(組成不定)	Basic lead sulfate
	64504-12-7	イソオクタン酸鉛(組成不定)	isooctanoic acid, lead salt
	65127-78-8	12-ヒドロキシオクタデカン酸鉛(組成不定)	lead 12-hydroxyoctadecanoate
	6838-85-3	フタル酸鉛(2+)	1,2-Benzenedicarboxylic acid, lead(2+) salt (1:1)
	69011-07-0	ケイクロム酸鉛(Pb3(CrO4)(SiO4))	Lead chromate silicate (Pb3(CrO4)(SiO4))
	69090-73-9	ビス(ジイソブチルジチオカルバミド酸)鉛(2+)	Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)-
	70727-02-5	イソオクタデカン酸鉛(2+)(構造不定)	lead(2+) isooctadecanoate
	70995-63-0	ビス(ジプロピルジチオカルバミド酸)鉛(2+)	Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)-
	71684-29-2	ネオデカン酸鉛(2+)(構造不定)	lead(2+) neodecanoate
	72437-77-5	2-ヒドロキシエタンスルホン酸鉛(2+)	Ethanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)
	72586-00-6	ノニルフェノール鉛(2+)(構造不定)	lead bis(nonylphenolate)
	7319-86-0	オクタン酸鉛(2+)	lead(2+) octanoate
	7428-48-0	オクタデカン酸鉛(組成不定)	Octadecanoic acid, lead salt
	7439-92-1	鉛	Lead
	7446-10-8	亜硫酸鉛(2+)	Sulfurous acid, lead(2+) salt (1:1)
	7446-14-2	硫酸鉛(2+)	Sulfuric acid, lead(2+) salt (1:1)
	7446-27-7	リン酸鉛(2+)	Phosphoric acid, lead(2+) salt (2:3)
	75-74-1	テトラメチル鉛	Plumbane, tetramethyl-
	76925-97-8	o-メチル安息香酸鉛(2+)	Benzoic acid, 2-methyl-, lead salt
	7717-46-6	オクタデカン酸鉛(4+)	lead(4+) stearate
	7758-95-4	塩化鉛(2+)	Lead chloride (PbCl2)
	7758-97-6	クロム酸鉛(2+) , テトラオキシドクロム酸鉛(II)	Chromic acid (H2CrO4), lead(2+) salt (1:1) ,Lead(II) tetraoxidochromate
	7759-01-5	タングステン酸鉛(2+)	Lead tungsten oxide (PbWO4)
	7783-46-2	フッ化鉛(2+)	Lead fluoride (PbF2)
	7783-59-7	フッ化鉛(4+)	lead(IV) fluoride

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	7784-40-9	ヒ酸水素鉛(2+)	Arsenic acid (H3AsO4), lead(2+) salt (1:1) ,Lead(II) hydrogenarsenate
	78-00-2	テトラエチル鉛	Plumbane, tetraethyl-
	8012-00-8	ピグメントイエロー41	C.I. Pigment Yellow 41
	814-93-7	シュウ酸鉛(2+)	Ethanedioic acid, lead(2+) salt (1:1)
	815-84-9	酒石酸鉛(2+)	Butanedioic acid, 2,3-dihydroxy- (2R,3R)-, lead(2+) salt (1:1)
	82696-30-8	ヒドロキシベンゼンスルホン酸鉛(組成不定)	Benzenesulfonic acid, hydroxy-, lead salt
	84852-34-6	イソデカン酸鉛(2+)(構造不定)	lead(II) isodecanoate
	85292-77-9	p-tert-ブチル安息香酸鉛(2+)	lead(2+) 4-(1,1-dimethylethyl)benzoate
		2-(2, 4, 5, 7-テトラブロモ-3-オキソ-6-ヒドロキシ-3H-キサンテン-9-イル)-2, 3, 4, 5-テトラクロロ安息香酸鉛(2+)	Lead 2-(2,4,5,7-tetrabromo-3-keto-6-oxy-3H-xanthen-9-yl)-2,3,4,5-tetrachlorobenzoate
	873-54-1	安息香酸鉛(2+)	lead dibenzoate
	87835-32-3	2-プロピルペンタン酸鉛(2+)	Pentanoic acid, 2-propyl-, lead(2+) salt
	9008-26-8	樹脂酸とロジン酸の鉛塩(組成不定)	Resin acids and Rosin acids, lead salts
	90583-37-2	塩基性亜硫酸鉛(2+)	Sulfurous acid, lead(2+) salt, basic
	91187-55-2	o-ブチル安息香酸鉛(2+)	Benzoic acid, 2-butyl-, lead(2+) salt
	93892-65-0	N-エチル-N-フェニルジチオカルバミド酸鉛(2+)	Carbamodithioic acid, ethylphenyl-, lead(2+) salt
	93894-48-5	ネオノナン酸鉛(2+)(構造不定)	lead(2+) neononanoate
	93894-49-6	ネオウンデカン酸鉛(2+)(構造不定)	lead(2+) neoundecanoate
	93965-29-8	イソウンデカン酸鉛(2+)(構造不定)	lead bis(isoundecanoate)
	93966-38-2	テトラコサン酸鉛(組成不定)	lead tetracosanoate
	93966-74-6	ペンタデカン酸鉛(組成不定)	lead pentadecanoate
	93981-67-0	イソオクタン酸鉛(2+)(構造不定)	lead(II) isooctanoate
	95860-12-1	メタンスルホン酸鉛(組成不定)	Methanesulfonic acid, lead salt
	95892-13-0	イソヘキサデカン酸鉛(2+)(構造不定)	lead(2+) isohexadecanoate
	97952-39-1	7-メチルオクタン酸鉛(組成不定)	7-methyloctanoic acid, lead salt
	—	その他の鉛化合物	Other lead compounds
3. Cadmium/Cadmium compounds	10022-68-1	硝酸カドミウム四水和物	Nitric acid, cadmium salt, tetrahydrate
	10108-64-2	塩化カドミウム	Cadmium chloride (CdCl2)
	10124-36-4	硫酸カドミウム	Sulfuric acid, cadmium salt (1:1)
	10196-67-5	テトラデカン酸カドミウム	Tetradecanoic acid, cadmium salt
	10325-94-7	硝酸カドミウム	Nitric acid, cadmium salt
	10326-28-0	過塩素酸カドミウム六水和物	Perchloric acid, cadmium salt, hexahydrate
	12006-15-4	ヒ化カドミウム	Cadmium arsenide (Cd3As2)
	12014-28-7	リン化カドミウム	Cadmium phosphide (Cd3P2)
	12014-29-8	アンチモン化カドミウム(Cd3Sb2)	Antimony, compd. with cadmium (2:3)
	12139-23-0	ジルコン酸カドミウム	Cadmium zirconium oxide (CdZrO3)
	12187-14-3	ニオブ酸カドミウム	Cadmium niobium oxide (Cd2Nb2O7)
	12214-12-9	硫セレン化カドミウム(Cd2SeS)	Cadmium selenide sulfide (Cd2SeS)
	12292-07-8	酸化カドミウムタンタル(CdTa2O6)	Cadmium tantalum oxide (CdTa2O6)
	12626-36-7	硫セレン化カドミウム	Cadmium selenide sulfide (Cd(Se,S))
	1306-19-0	酸化カドミウム	Cadmium oxide (CdO)
	1306-23-6	硫化カドミウム	Cadmium sulfide (CdS)
	1306-24-7	セレン化カドミウム	Cadmium selenide (CdSe)
	1306-25-8	テルル化カドミウム(CdTe)	Cadmium telluride (CdTe)
	13464-92-1	臭化カドミウム四水和物	Cadmium bromide, tetrahydrate
	13477-21-9	硫酸カドミウム四水和物	cadmium sulfate tetrahydrate
	13701-66-1	オルトホウ酸カドミウム(Cd3(BO3)2)	diboron trcadmium hexaoxide
	13972-68-4	モリブデン酸カドミウム	Cadmium molybdenum oxide (CdMoO4)
	14239-68-0	ジエチルジチオカルバミド酸カドミウム	Cadmium, bis(diethylcarbamodithioato-kS,kS)-, (T-4)-
	14312-00-6	クロム酸カドミウム	cadmium chromate
	14402-75-6	テトラシアノカドミウム酸カリウム	Cadmium(2-), tetrakis(cyano-kC)-, dipotassium, (T-4)-
	14486-19-2	テトラフルオロホウ酸カドミウム	Borate(1-), tetrafluoro-, cadmium (2:1)

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	14518-94-6	臭素酸カドミウム	cadmium bromate
	14689-45-3	ビス(2, 4-ペンタンジオナト)カドミウム(2+)	bis(pentane-2,4-dionato-O,O')cadmium
	14949-59-8	ビス(1-ピペリジンカルボジチオ酸)カドミウム	cadmium bis(piperidine-1-carbodithioate)
	15244-35-6	硫酸カドミウム水和物	cadmium sulfate hydrate
	17010-21-8	ヘキサフルオロケイ酸カドミウム	cadmium hexafluorosilicate(2-)
	17329-48-5	ウンデカン酸カドミウム	Undecanoic acid, cadmium salt
	18991-05-4	カドミウムジフェノキシド	cadmium diphenolate
	21041-95-2	水酸化カドミウム	Cadmium hydroxide (Cd(OH)2)
	2191-10-8	オクタン酸カドミウム	Octanoic acid, cadmium salt
	2223-93-0	オクタデカン酸カドミウム	Octadecanoic acid, cadmium salt
	22465-18-5	硫酸カドミウム(8水和物)	cadmium sulfate (8hydrate)
	22750-54-5	塩素酸カドミウム	Chloric acid, cadmium salt
	2605-44-9	ドデカン酸カドミウム	Dodecanoic acid, cadmium salt
	27476-27-3	メチル安息香酸カドミウム(構造不定)	Benzoic acid, methyl-, cadmium salt
	2847-16-7	デカン酸カドミウム	Decanoic acid, cadmium salt
	29736-89-8	水酸化カドミウム水和物	hydroxycadmium hydrate
	3026-22-0	安息香酸カドミウム	Benzoic acid, cadmium salt
	30304-32-6	イソオクタン酸カドミウム(構造不定)	cadmium isooctanoate
	30363-28-1	エチレンジアミン四酢酸カドミウム二ナトリウム水和物	Disodium cadmium ethylenediamineacetate
	31215-94-8	tert-ブチル安息香酸カドミウム(構造不定)	cadmium (1,1-dimethylethyl)benzoate
	35658-65-2	塩化カドミウム一水和物	Cadmium chloride (CdCl2), monohydrate
	35803-35-1	エチレンジアミン四酢酸二ナトリウムカドミウム	disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',ON,ON']cadmate(2-)
	36211-44-6	3, 5, 5-トリメチルヘキサン酸カドミウム	cadmium 3,5,5-trimethylhexanoate
	38517-19-0	12-ヒドロキシオクタン酸カドミウム	cadmium(2+) (R)-12-hydroxyoctadecanoate
	4167-05-9	p-tert-ブチル安息香酸カドミウム	Benzoic acid, 4-(1,1-dimethylethyl)-, cadmium salt
	4464-23-7	ギ酸カドミウム	cadmium diformate
	506-82-1	ジメチルカドミウム	dimethylcadmium
	5112-16-3	ノナン酸カドミウム	Nonanoic acid, cadmium salt
	51222-60-7	ホウ酸カドミウム(組成不定)	Boric acid, cadmium salt
	513-78-0	炭酸カドミウム	Carbonic acid, cadmium salt (1:1)
	52337-78-7	o-メチル安息香酸カドミウム	Benzoic acid, 2-methyl-, cadmium salt
	542-83-6	シアン化カドミウム	Cadmium cyanide (Cd(CN)2)
	543-90-8	酢酸カドミウム	Acetic acid, cadmium salt
	55700-14-6	4-シクロヘキシルブタン酸カドミウム	Cyclohexanebutanoic acid, cadmium salt
	5743-04-4	酢酸カドミウム二水和物	Acetic acid, cadmium salt, dihydrate
	58339-34-7	ピグメントレッド108	C.I. Pigment Red 108
	592-02-9	ジエチルカドミウム	Cadmium, diethyl-
	61789-34-2	ナフテン酸カドミウム(構造不定)	Naphthenic acids, cadmium salts
	61951-96-0	ネオデカン酸カドミウム(構造不定)	Neodecanoic acid, cadmium salt
	62149-56-8	ヘプタデカン酸カドミウム	cadmium bis(heptadecanoate)
	63400-09-9	ペンタデカン酸カドミウム	cadmium pentadecanoate
	6427-86-7	ヘキサデカン酸カドミウム	Hexadecanoic acid, cadmium salt
	68092-45-5	m-メチル安息香酸カドミウム	Benzoic acid, 3-methyl-, cadmium salt
	69121-20-6	12-ヒドロキシオクタデカン酸カドミウム	Octadecanoic acid, 12-hydroxy-, cadmium salt (2:1)
	72589-96-9	塩化カドミウム二水和物	Cadmium chloride, dihydrate
	7440-43-9	カドミウム	Cadmium
	7789-42-6	臭化カドミウム	Cadmium bromide (CdBr2)
	7790-78-5	塩化カドミウム2. 5水和物	Cadmium chloride (CdCl2), hydrate (2:5)
	7790-79-6	フッ化カドミウム	Cadmium fluoride (CdF2)
	7790-80-9	ヨウ化カドミウム	Cadmium iodide (CdI2)
	7790-84-3	硫酸カドミウム8/3水和物	Sulfuric acid, cadmium salt (1:1), hydrate (3:8)
	7790-85-4	タングステン酸カドミウム	Cadmium tungsten oxide (CdWO4)

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	79490-00-9	過塩素酸カドミウム水和物	cadmium perchlorate
	8048-07-5	ピグメントイエロー35	C.I. Pigment Yellow 35
	84696-56-0	イソノナン酸カドミウム(構造不定)	cadmium isononanoate
	84878-36-4	イソオクタデカン酸カドミウム(構造不定)	cadmium isoctadecanoate
	84878-37-5	tert-デカン酸カドミウム(構造不定)	cadmium tert-decanoate
	84878-48-8	ノニルフェノールカドミウム塩(構造不定)	cadmium bis(nonylphenolate)
	84878-51-3	オクチルフェノールカドミウム塩(構造不定)	cadmium bis(octylphenolate)
	87835-30-1	2-プロピルペンタン酸カドミウム	Pentanoic acid, 2-propyl-, cadmium salt
	89759-80-8	酢酸カドミウム水和物	cadmium acetate
	93820-02-1	炭酸カドミウム	carbonic acid, cadmium salt
	93894-07-6	o-ノニルフェノールカドミウム塩	cadmium bis(o-nonylphenolate)
	93894-08-7	p-ノニルフェノールカドミウム塩	Phenol, 4-nonyl-, cadmium salt
	93894-09-8	p-(1, 1, 3, 3-テトラメチルブチル)フェノールカドミウム塩	cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]
	93965-24-3	イソデカン酸カドミウム(構造不定)	cadmium isodecanoate
	93965-30-1	イソウンデカン酸カドミウム(構造不定)	cadmium bis(isoundecanoate)
	93983-65-4	ジメチルヘキサン酸カドミウム(構造不定)	cadmium dimethylhexanoate
	95892-12-9	イソヘキサデカン酸カドミウム(構造不定)	cadmium isohexadecanoate
	97259-82-0	ビス(マレイン酸イソブチル)カドミウム	cadmium diisobutyl dimaleate
	—	その他のカドミウム化合物	Other cadmium compounds
4. Chromium VI compounds	10022-48-7	ニクロム酸リチウム二水和物	Chromic acid (H ₂ Cr ₂ O ₇), dilithium salt, dihydrate
	10034-82-9	クロム酸ナトリウム(Na ₂ CrO ₄)四水和物	Chromic acid (H ₂ CrO ₄), disodium salt, tetrahydrate
	10060-08-9	クロム酸カルシウム二水和物	Chromic acid (H ₂ CrO ₄), calcium salt (1:1), dihydrate
	10294-40-3	クロム酸バリウム	Chromic acid (H ₂ CrO ₄), barium salt (1:1)
	10588-01-9	ニクロム酸ナトリウム	Chromic acid (H ₂ Cr ₂ O ₇), disodium salt
	12017-94-6	クロム酸ランタン	Chromium lanthanum oxide (CrLaO ₃)
	12018-19-8	亜クロム酸亜鉛	Dichromium zinc tetraoxide
	12656-85-8	ピグメントレッド104	C.I. Pigment Red 104
	1333-82-0	酸化クロム(6+)	Chromium oxide (CrO ₃)
	13423-61-5	クロム酸マグネシウム	Chromic acid (H ₂ CrO ₄), magnesium salt (1:1)
	1344-37-2	ピグメントイエロー34	C.I. Pigment Yellow 34
	13444-75-2	クロム酸水銀(2+)	mercuric chromate
	13446-72-5	クロム酸ルビジウム	Chromic acid (H ₂ CrO ₄), dirubidium salt
	13454-78-9	クロム酸セシウム	Chromic acid (H ₂ CrO ₄), dicesium salt
	13455-25-9	クロム酸コバルト(2+)	Chromic acid (H ₂ CrO ₄), cobalt(2+) salt (1:1)
	13530-65-9	クロム酸亜鉛	Chromic acid (H ₂ CrO ₄), zinc salt (1:1)
	13530-67-1	ニクロム酸セシウム	caesium dichromate
	13530-68-2	ニクロム酸	Chromic acid (H ₂ Cr ₂ O ₇)
	13548-42-0	クロム酸銅(2+)	Chromic acid (H ₂ CrO ₄), copper(2+) salt (1:1)
	13675-47-3	ニクロム酸銅(2+)	copper dichromate
	13765-19-0	クロム酸カルシウム	Chromic acid (H ₂ CrO ₄), calcium salt (1:1)
	13843-81-7	ニクロム酸リチウム	lithium dichromate
	14018-95-2	ニクロム酸亜鉛	Chromic acid (H ₂ Cr ₂ O ₇), zinc salt (1:1)
	14104-85-9	ニクロム酸マグネシウム	magnesium dichromate
	14307-33-6	ニクロム酸カルシウム	Chromic acid (H ₂ Cr ₂ O ₇), calcium salt (1:1)
	14307-35-8	クロム酸リチウム	Chromic acid (H ₂ CrO ₄), dilithium salt
	14312-00-6	クロム酸カドミウム	cadmium chromate
	14507-18-7	クロム酸鉄(2+)	Chromic acid (H ₂ CrO ₄), iron(2+) salt (1:1)
	14977-61-8	オキシ塩化クロム(6+)	Chromium, dichlorodioxo-, (T-4)-
	16569-85-0	クロム酸マグネシウム五水和物	magnesium chromate
	18454-12-1	塩基性クロム酸鉛(2+)	Lead chromate oxide (Pb ₂ (CrO ₄)O)
	20039-37-6	ピリジンニクロム酸塩	Chromic acid (H ₂ Cr ₂ O ₇), compd. with pyridine (1:2)
	37224-57-0	塩基性クロム酸亜鉛カリウム	Potassium zinc chromate K ₂ O ₄ CrO ₃ 4ZnO3H ₂ O
	37235-82-8	ニクロム酸ビスマス	dibismuth dichromium nonaoxide

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	41189-36-0	クロム酸亜鉛カリウム(組成不定)	chromic acid, potassium zinc salt
	56320-90-2	クロム酸セシウム	caesium chromate
	56660-19-6	ニクロム酸ビス(テトラブチルアンモニウム)	tetrabutylammonium, salt with chromic acid (2:1)
	63020-43-9	クロム酸亜鉛カリウム	Dipotassium zinc bis(chromate) Cr ₂ K ₂ O ₈ Zn
	68406-65-5	ビスクロム酸水素銅(2+)	copper dihydrogen bischromate
	7738-94-5	クロム酸	Chromic acid (H ₂ CrO ₄)
	7758-97-6	クロム酸鉛(2+)	Chromic acid (H ₂ CrO ₄), lead(2+) salt (1:1)
	7775-11-3	クロム酸ナトリウム(Na ₂ CrO ₄)	Chromic acid (H ₂ CrO ₄), disodium salt
	7778-50-9	ニクロム酸カリウム	Chromic acid (H ₂ Cr ₂ O ₇), dipotassium salt
	7784-01-2	クロム酸銀(1+)	Chromic acid (H ₂ CrO ₄), disilver(1+) salt
	7784-02-3	ニクロム酸銀(1+)	silver dichromate
	7788-98-9	クロム酸アンモニウム	Chromic acid (H ₂ CrO ₄), diammonium salt
	7789-00-6	クロム酸カリウム	Chromic acid (H ₂ CrO ₄), dipotassium salt
	7789-01-7	クロム酸リチウム二水和物	Lithium chromate hydrate
	7789-06-2	クロム酸ストロンチウム	Chromic acid (H ₂ CrO ₄), strontium salt (1:1)
	7789-07-3	ニクロム酸銅(2+)二水和物	Cupric dichromate dihydrate
	7789-09-5	ニクロム酸アンモニウム	Chromic acid (H ₂ Cr ₂ O ₇), diammonium salt
	7789-10-8	ニクロム酸水銀(2+)	mercury dichromate
	7789-12-0	ニクロム酸ナトリウム二水和物	Chromic acid (H ₂ Cr ₂ O ₇), disodium salt, dihydrate
	—	その他の六価クロム化合物	Other hexavalent chromium compounds
5. PBBs (polybrominated biphenyls)	27858-07-7	α, α, α, α, α', α', α', α'-オクタブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, ar,ar,ar,ar,ar',ar',ar',ar'-octabromo-
	57422-77-2	2, 5-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,5-dibromo-
	59080-33-0	2, 4, 6-トリブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,4,6-tribromo-
	60108-72-7	3, 4'-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 3,4-dibromo-
	64258-02-2	2, 4, 4', 6-テトラブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,4,4',6-tetrabromo-
	16400-51-4	3, 3'-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 3,3'-dibromo-
	13029-09-9	2, 2'-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,2'-dibromo-
	27753-52-2	ノナブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, nonabromo-
	59080-34-1	2, 2', 5-トリブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,2',5-tribromo-
	53592-10-2	2, 4-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,4-dibromo-
	59080-32-9	2, 6-ジブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,6-dibromo-
	13654-09-6	2, 2', 3, 3', 4, 4', 5, 5', 6, 6'-デカブロモ-1, 1'-ビフェニル	1,1'-Biphenyl, 2,2',3,3',4,4',5,5',6,6'-decabromo-
	—	その他のPBB類	Other polybrominated biphenyls
6. PBDEs (Polybrominated diphenyl ethers)	32536-52-0	オクタブロモジフェニルエーテル	Benzene, 1,1'-oxybis-, octabromo deriv.
	6903-63-5	3, 3'-ジブロモジフェニルエーテル	3,3'-Dibromodiphenyl ether
	83694-71-7	3, 4'-ジブロモジフェニルエーテル	3,4'-Dibromodiphenyl ether
	53563-56-7	ジブロモジフェニルエーテル	Dibromodiphenyl ether
	51452-87-0	2, 2'-ジブロモジフェニルエーテル	2,2'-Dibromodiphenyl ether
	2050-47-7	4, 4'-ジブロモジフェニルエーテル	4,4'-Dibromodiphenyl ether
	65075-08-3	2, 4', 5-トリブロモジフェニルエーテル	2,4',5'-Tribromodiphenyl ether
	49690-94-0	トリブロモジフェニルエーテル	Tribromodiphenyl ether
	103173-66-6	3, 3', 5, 5'-テトラブロモジフェニルエーテル	3,3',5,5'-Tetrabromodiphenyl ether
	93703-48-1	3, 3', 4, 4'-テトラブロモジフェニルエーテル	3,3',4,4'-Tetrabromodiphenyl ether
	5436-43-1	2, 2', 4, 4'-テトラブロモジフェニルエーテル	2,2',4,4'-Tetrabromodiphenyl ether
	189084-65-9	2, 3, 4, 5, 6-ペンタブロモジフェニルエーテル	2,3,4,5,6-Pentabromodiphenyl ether
	35854-94-5	2, 2', 4, 4', 6, 6'-ヘキサブロモジフェニルエーテル	2,2',4,4',6,6'-Hexabromodiphenyl ether
	116995-33-6	2, 2', 3, 4', 5, 6-ヘキサブロモジフェニルエーテル	2,2',3,4',5,6-Hexabromodiphenyl ether
	31153-30-7	ジ(トリブロモフェニル)エーテル	Di(tribromophenyl) ether
	117948-63-7	2, 2', 3, 4, 4', 6, 6'-ヘプタブロモジフェニルエーテル	2,2',3,4,4',6,6'-Heptabromodiphenyl ether
	116995-32-5	2, 2', 3, 4', 5, 6, 6'-ヘプタブロモジフェニルエーテル	2,2',3,4',5,6,6'-Heptabromodiphenyl ether
	117964-21-3	2, 2', 3, 3', 4, 4', 6, 6'-オクタブロモジフェニルエーテル	2,2',3,3',4,4',6,6'-Octabromodiphenyl ether
	85446-17-9	2, 2', 3, 3', 4, 4', 5, 5'-オクタブロモジフェニルエーテル	2,2',3,3',4,4',5,5'-Octabromodiphenyl ether
	63936-56-1	ノナブロモジフェニルエーテル	Nonabromodiphenyl ether

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	—	その他のPBDE類	Other PBDE
11. Short chain chlorinated paraffins (C10-13)	85535-84-8	短鎖型塩化パラフィン(C10~C13)	Alkanes, C10-13, chloro
	108171-26-2	塩化パラフィン(平均炭素数12、平均塩素化率60%)	Alkanes, C10-12, chloro
	71011-12-6	短鎖型塩化パラフィン(C12~C13)	Alkanes, C12-13, chloro
	—	その他の短鎖型塩化パラフィン	Other short-chane paraffin chloride(C10-13)
13. Azo colorants and azo dyes that form certain aromatic comp	6410-30-6	ピグメントレッド8	N-(4-chlorophenyl)-3-hydroxy-4-[(2-methyl-5-nitrophenyl)azo]naphthalene-2-carboxamide
	6448-95-9	ピグメントレッド22	C.I. Pigment Red 22
	6358-87-8	ピグメントレッド38	Diethyl 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[4,5-dihydro-5-oxo-1-phenyl-1H-pyrazole-3-carboxylate]
17. Dibutyltin compounds (DBT)	818-08-6	ジブチルスズオキシド	Dibutyltin oxide
	683-18-1	ジブチルジクロロスズ	Dibutyltin dichloride
	77-58-7	ジブチルスズジラウレート	Dibutyltin dilaurate
	7324-74-5	ジブチルスズビス(イソオクチルチオグリコール酸エステル)	Dibutyltin bis(benzylmaleate)
	78-04-6	ジブチルスズマレート	Dibutyltin maleate
	1067-33-0	ジブチルスズジアセテート	Dibutyltin di(acetate)
	85702-74-5	ジブチルビス[(1-オキソイソオクチル)オキシ]スズ	Dibutylbis[(1-oxoisooctyl)oxy]stannane
	—	その他のジブチルスズ化合物	Other Dibutyltin Compounds
18. Dioctyltin compounds (DOT)	870-08-6	ジオクチルスズオキシド	Dioctyltin oxide
	3542-36-7	ジオクチルスズジクロリド	Dioctyltin dichloride
	16091-18-2	ジオクチルスズマレート	Dioctyltin maleate
	26401-97-8	ジオクチルスズビス(イソオクチルチオグリコール酸エステル)	Di(n-octyl)tin bis(isooctylthioglycolate)
	3648-18-8	ジオクチルスズジラウレート	Dioctyltin dilaurates
	22205-30-7	ビス(ドデシルチオ)ジオクチルスズ	Bis(dodecylthio)diocetylstannane
	—	その他のジオクチルスズ化合物	Other Dioctyltin Compounds
19. Tri-substituted organostannic compounds	1461-23-0	トリブチルスズブロミド	Tributyltin bromide
	56-35-9	ビス(トリブチルスズ)=オキシド	Tributyltin oxide
	668-34-8	トリフェニルスズ	Triphenyltin
	639-58-7	トリフェニルスズ=クロリド	Triphenyltin chloride
	76-87-9	トリフェニルスズ=ヒドロキシド	Triphenyltin hydroxide
	1803-12-9	トリフェニルスズ=N,N'-ジメチルジチオカルバマート	Triphenyltin N,N'-dimethyldithiocarbamate
	379-52-2	トリフェニルスズ=フルオリド	Triphenyltin fluoride
	900-95-8	トリフェニルスズ=アセテート	Triphenyltin acetate
	18380-71-7	トリフェニルスズニル=2, 2, 4, 4-テトラメチルペンタノアート	Triphenylstannyl 2,2,4,4-tetramethylpentanoate
	18380-72-8	トリフェニルスズニル=2-イソプロピル-2, 3-ジメチルブタノアート	Triphenylstannyl 2-isopropyl-2,3-dimethylbutanoate
	47672-31-1	トリフェニルスズニル=デカノアート	Triphenylstannyl decanoate
	94850-90-5	トリフェニルスズニル=ウンデカノアート	Triphenylstannyl undecanoate
	7094-94-2	トリフェニルスズ=クロロアセテート	Triphenyltin chloroacetate
	2155-70-6	トリブチルスズ=メタクリレート	Tributyltin methacrylate
	6454-35-9	ビス(トリブタン-1-イルスタンニル)=フマレート	Bis(tributan-1-ylstannyl) fumarate
	24291-45-0	ビス(トリブタン-1-イルスタンニル)=ブター-2-エネジオアート	Bis(tributan-1-ylstannyl) but-2-enedioate
	1983-10-4	トリブタン-1-イル(フルオロ)スタンナン	Tributan-1-yl(fluoro)stannane
	7304-48-5	フルオロ(トリイソブチル)スタンナン	Fluoro(triisobutyl)stannane
	31732-71-5	rel-(2R, 3S)-ビス(トリブタン-1-イルスタンニル)=2, 3-ジブロモスクシナート	rel-(2R,3S)-Bis(tributan-1-ylstannyl) 2,3-dibromosuccinate
	56323-17-2	ビス(トリブチルスズ)=2,3-ジブロモスクシナート	Bis(tributyl tin) 2,3-dibromosuccinate
	56-36-0	トリブチルスズアセテート	Tributyltin acetate
	3090-36-6	トリブチルスズラウレート	Tributyltin laurate
	4782-29-0	ビス(トリブチルスズ)=フタレート	Bis(tributyltin)phthalate
	6517-25-5	トリブチルスズ=スルファマート	Tributyltin sulfamate
	14275-57-1	ビス(トリブタン-1-イルスタンニル)=マレアート	Bis(tributan-1-ylstannyl) maleate
	24291-45-0	ビス(トリブタン-1-イルスタンニル)=ブター-2-エネジオアート	Bis(tributan-1-ylstannyl) but-2-enedioate
	1461-22-9	トリブタン-1-イル(クロロ)スタンナン	Tributan-1-yl(chloro)stannane
	7342-38-3	クロロ(トリイソブチル)スタンナン	Chloro(triisobutyl)stannane
	85409-17-2	トリブチルスズスタンナンのモノ(ナフテノイルオキシ)誘導体	Stannane, tributyl-, mono(naphthenoyloxy) derivatives

Agent group	CAS No.	Substance name (Japanese)	Substance name (English)
	26239-64-5	トリブタン-1-イルスタンニル=(1R, 4aR, 4bR, 10aR)-7-イソプロピル-1, 4a-ジメチル-1, 2, 3, 4, 4a, 4b, 5, 6, 10, 10a-デカヒドロフェナントレン-1-カルボキシレート	Tributan-1-ylstannyl (1R, 4aR, 4bR, 10aR)-7-isopropyl-1,4a-dimethyl-1,2,3,4,4a,4b,5,6,10,10a-decahydrophenanthrene-1-carboxylate
	67772-01-4	ポリ(メチルメタクリレート-co-オクタン-1-イル=アクリレート-co-トリブタン-1-イルスタンニル=メタクリレート)	Poly[(methyl methacrylate)-co-(octan-1-yl acrylate)-co-(tributan-1-ylstannyl methacrylate)]
	100835-88-9	トリブチル錫ブチルフェレート	Stannane, tributyl(butylphenoxy)-
	13323-63-2	トリブチル錫-N,N-ジメチルジチオカルバメイト	Dibutylbis(palmitoyloxy)stannane
	13435-05-7	リン酸トリブチル錫	5,5,9,9-tetrabutyl-7-[(tributylstannyl)oxy]-6,8-dioxa-7-phospha-5,9-distannatridecane 7-oxide
	27147-18-8	トリブチル錫シナメート	Stannane, tributyl[(1-oxo-3-phenyl-2-propenyl)oxy]-
	28089-34-1	トリブチル錫リン酸塩	Stannane, tributyl(phosphonoxy)-
	3090-35-5	トリブチル錫オレエート	Tributyl(oleoyloxy)stannane
	3644-38-0	トリブチル錫ペンタクロフェネート	Tributyl(pentachlorophenoxy)stannane
	4342-36-3	トリブチル錫ベンゾエート	Stannane, (benzoyloxy)tributyl-
	4731-77-5	トリブチル錫-N,N-ジメチルジチオカルバメイト	Dibutylbis(octanoyloxy)stannane
	5847-51-8	トリブチル錫ギ酸塩	Stannane, tributyl(formyloxy)-
	5847-53-0	トリブチル錫シアルキルジチオカルバミン酸塩(アルキル、C=1-8)	Tributyl[(diethylthiocarbamoyl)thio]stannane
	6208-26-0	ビス(トリブチル錫)オキサイト	Bis(triisobutyltin) oxide
	67057-32-3	トリブチル錫シアルキルジチオカルバミン酸塩(アルキルC=1-8)	Tributyl[(dimethylthiocarbamoyl)thio]stannane
	75113-35-8	トリブチル錫グルコネート	Stannane, tributyl(D-gluconoyloxy)-
	1067-97-6	水酸化トリブチルスズ	Tributyltin hydroxide
	50851-45-1	トリブチル錫トリエタノールアンモニウム塩	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-(tributylstannyl)-
	139353-88-1	シフルオロトリフェニル錫酸テトラブチルアンモニウム	1-Butannimium, N,N,N-tributyl-, (TB-5-11)-difluorotriphenylstannate(1-)
	97922-83-3	(テトラタロイルジ'オキシ)ビス[トリフェニル錫]	Stannane, [1,4-phenylenebis(carbonyloxy)]bis(triphenyl-
	1262-21-1	ビス(トリフェニル錫)オキサイト	Bis(triphenyltin) oxide
	13362-00-0	スルファミン酸トリフェニル錫	Stannane, [(aminosulfonyl)oxy]triphenyl-
	2591-32-4	ビス(トリフェニル錫)ト'デ'セニルサクシネート	2,7-Dioxa-1,8-distannaooctane, 4-dodecyl-3,6-dioxo-1,1,1,8,8,8-hexaphenyl-
	3644-29-9	トリフェニル錫脂肪酸(C=9-11)塩	Stannane, [(1-oxododecyl)oxy]triphenyl-
	56323-19-4	4,5-ジ'ブロモ-3,6-ジ'オキソ-1,1,1,8,8,8-ヘキサフェニル-2,7-ジ'オキソ-1,8-ジ'スタンナオクタン	2,7-Dioxa-1,8-distannaooctane, 4,5-dibromo-3,6-dioxo-1,1,1,8,8,8-hexaphenyl-
	61057-41-8	トリフェニル錫ニトロ安息香酸塩	Stannane, [(4-nitrobenzoyl)oxy]triphenyl-
	7224-27-3	フタル酸トリフェニル錫	Benzoic acid, 2-[[[(triphenylstannyl)oxy]carbonyl]-
	7552-16-1	トリフェニル錫ニコチン酸	Pyridine, 3-[[[(triphenylstannyl)oxy]carbonyl]-
	83500-88-3	トリフェニル錫ニトロ安息香酸塩	Stannane, [(2-nitrobenzoyl)oxy]triphenyl-
	83514-66-3	トリフェニル錫ニトロ安息香酸塩	Stannane, [(3-nitrobenzoyl)oxy]triphenyl-
	910-06-5	安息香酸トリフェニル錫	Stannane, (benzoyloxy)triphenyl-
		- その他の三置換有機スズ化合物	Other Trisubstituted organotin compounds
21. Polycyclic aromatic hydrocarbon (PAH)	50-32-8	ベンゾ[a]ピレン	Benzo[a]pyrene (BaP)
	192-97-2	ベンゾ[e]ピレン	Benzo[e]pyrene (BeP)
	56-55-3	ベンゾ[a]アントラセン	Benzo[a]anthracene (BaA)
	218-01-9	クリセン	Chrysen (CHR)
	205-99-2	ベンゾ[b]フルオランテン	Benzo[b]fluoranthene (BbFA)
	205-82-3	ベンゾ[j]フルオランテン	Benzo[j]fluoranthene (BjFA)
	207-08-9	ベンゾ[k]フルオランテン	Benzo[k]fluoranthene (BkFA)
	53-70-3	ジ'ベンゾ'[a, h]アントラセン	Dibenzo [a, h] anthracene (DBaHA)
22. Phenylmercury	62-38-4	酢酸フェニル水銀	Phenylmercury acetate
	103-27-5	プロピオン酸フェニル水銀	Phenylmercury propionate
	13302-00-6	2-エチルヘキシルフェニル水銀	Phenylmercury 2-ethylhexanoate
	13864-38-5	カプリル酸フェニル水銀	Phenylmercury octanoate
	26545-49-3	ネオデカン酸フェニル水銀	Phenylmercury neodecanoate

Appendix Table 2-2
Types of the Amine that Must Not Be Generated

Agent group	No.	Cas No.	Substance name (Japanese)	Substance name (English)
Types of Amine that Must Not Be Generated	1	92-67-1	4-アミノビフェニル	biphenyl-4-ylamine
	2	92-87-5	ベンジジン	Benzidine
	3	95-69-2	4-クロロ-2-メチルアニリン	4-chloro-o-toluidine
	4	91-59-8	2-ナフチルアミン	2-naphthylamine
	5	97-56-3	o-アミノアゾトルエン	o-aminoazotoluene
	6	99-55-8	5-ニトロ-o-トルイジン	5-nitro-o-toluidine
	7	106-47-8	p-クロロアニリン	4-chloroaniline
	8	615-05-4	2, 4-ジアミノアニソール	4-methoxy-m-phenylenediamine
	9	101-77-9	4, 4'-メチレンジアニリン	4,4'-methylenedianiline
	10	91-94-1	3, 3'-ジクロロベンジジン	3,3'-dichlorobenzidine
	11	119-90-4	3, 3'-ジメトキシベンジジン	3,3'-dimethoxybenzidine
	12	119-93-7	3, 3'-ジメチルベンジジン	3,3'-dimethylbenzidine
	13	838-88-0	4, 4'-ジアミノ-3, 3'-ジメチルジフェニルメタン	4,4'-methylenedi-o-toluidine
	14	120-71-8	6-メトキシ-m-トルイジン	6-methoxy-m-toluidine
	15	101-14-4	4,4'-メチレン-ビス(2-クロロアニリン)	4,4'-methylene-bis(2-chloroaniline)
	16	101-80-4	(9Z)-9-オクタデセン酸水銀(2+)	4,4'-oxydianiline
	17	139-65-1	4, 4'-ジアミノジフェニルスルフィド	4,4'-thiodianiline
	18	95-53-4	o-トルイジン	o-toluidine
	19	95-80-7	4-メチル-m-フェニレンジアミン	4-methyl-m-phenylenediamine
	20	137-17-7	2, 4, 5-トリメチルアニリン	2,4,5-trimethylaniline
	21	90-04-0	o-アニシジン	o-anisidine
	22	60-09-3	4-アミノアゾベンゼン	4-amino azobenzene

Appendix Table 2-3

List of Specific Use Subject to Regulation of EU Standards Concerning Restricted Substances

Substance name	Specific Use Subject to Regulation
Azo colorants and azo dyes that form certain aromatic compounds	• Those possibly touch human skin or oral cavity directly for a long period
Diocetyl tin compounds (DOT)	• Fibers that touch the skin • Walls, floor covers • Two component room temperature curing mold kit (RTV-2 mold kit)
Polycyclic aromatic hydrocarbon (PAH)	• Rubber or plastic parts that directly touch human skin or the oral cavity for long periods or repeatedly for short periods

Appendix Table 2-4

List of Exclusion Items of EU Standards Concerning Restricted Substances

1. RoHS directive ANNEX III

No.	Substance	Exempted use
1	Mercury	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):
1(a)	Mercury	For general lighting purposes <30 W: [Scope and dates of applicability] 2.5 mg may be used per burner after 31 December 2012
1(b)	Mercury	For general lighting purposes ≥30 W and <50 W: [Scope and dates of applicability] 3.5 mg may be used per burner after 31 December 2011
1(c)	Mercury	For general lighting purposes ≥50 W and ≤150 W: 5 mg
1(d)	Mercury	For general lighting purposes ≥150 W: 15 mg
1(e)	Mercury	For general lighting purposes with circular or square structural shape and tube diameter <17 mm [Scope and dates of applicability] 7 mg may be used per burner after 31 December 2011
1(f)	Mercury	For special purposes: 5 mg
1(g)	Mercury	For general lighting purposes <30 W with a lifetime equal or above 20,000 h: 3.5 mg [Scope and dates of applicability] Expires on 31 December 2017
2(a)	Mercury	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):
2(a)(1)	Mercury	Tri-band phosphor with normal lifetime and a tube diameter <9 mm (e.g. T2): [Scope and dates of applicability] 4 mg may be used per lamp after 31 December 2011
2(a)(2)	Mercury	Tri-band phosphor with normal lifetime and a tube diameter ≥9 mm and ≤17 mm (e.g. T5): [Scope and dates of applicability] 3 mg may be used per lamp after 31 December 2011
2(a)(3)	Mercury	Tri-band phosphor with normal lifetime and a tube diameter >17 mm and ≤28 mm (e.g. T8): [Scope and dates of applicability] 3.5 mg may be used per lamp after 31 December 2011
2(a)(4)	Mercury	Tri-band phosphor with normal lifetime and a tube diameter >28 mm (e.g. T12): [Scope and dates of applicability] 3.5 mg may be used per lamp after 31 December 2012
2(a)(5)	Mercury	Tri-band phosphor with long lifetime (≥25,000 h): [Scope and dates of applicability] 5 mg may be used per lamp after 31 December 2011
2(b)	Mercury	Mercury in other fluorescent lamps not exceeding (per lamp):
2(b)(2)	Mercury	Non-linear halophosphate lamps (all diameters): 15 mg [Scope and dates of applicability] Expires on 13 April 2016
2(b)(3)	Mercury	Non-linear tri-band phosphor lamps with tube diameter >17 mm (e.g. T9) [Scope and dates of applicability] 15 mg may be used per lamp after 31 December 2011
2(b)(4)	Mercury	Lamps for other general lighting and special purposes (e.g. induction lamps) [Scope and dates of applicability] 15 mg may be used per lamp after 31 December 2011
3	Mercury	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
3(a)	Mercury	Short length (≤500 mm) [Scope and dates of applicability] 3.5 mg may be used per lamp after 31 December 2011
3(b)	Mercury	Medium length (>500 mm and ≤1500 mm) [Scope and dates of applicability] 5 mg may be used per lamp after 31 December 2011
3(c)	Mercury	Long length (>1500 mm) [Scope and dates of applicability] 13 mg may be used per lamp after 31 December 2011
4(a)	Mercury	Mercury in other low pressure discharge lamps (per lamp) [Scope and dates of applicability] 15 mg may be used per lamp after 31 December 2011
4(b)	Mercury	Mercury in High Pressure Sodium (vapor) lamps for general lighting purposes not exceeding (per burner) in lamps with improved color rendering index Ra >60
4(b)-I	Mercury	P <155 W [Scope and dates of applicability] 30 mg may be used per burner after 31 December 2011
4(b)-II	Mercury	155 W <P <405 W [Scope and dates of applicability] 40 mg may be used per burner after 31 December 2011
4(b)-III	Mercury	P > 405 W [Scope and dates of applicability] 40 mg may be used per burner after 31 December 2011
4(c)	Mercury	Mercury in other High Pressure Sodium (vapor) lamps for general lighting purposes not exceeding (per burner):
4(c)-I	Mercury	P< 155 W [Scope and dates of applicability] 25 mg may be used per burner after 31 December 2011
4(c)-II	Mercury	155 W <P <405 W [Scope and dates of applicability] 30 mg may be used per burner after 31 December 2011
4(c)-III	Mercury	P > 405 W [Scope and dates of applicability] 40 mg may be used per burner after 31 December 2011
4(d)	Mercury	Mercury in High Pressure Mercury (vapor) lamps (HPMV) [Scope and dates of applicability] Expires on 13 April 2015
4(e)	Mercury	Mercury in metal halide lamps(MH)
4(f)	Mercury	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex
5(a)	Lead	Lead in glass of cathode ray tubes
5(b)	Lead	Lead in the glass of fluorescent tubes not exceeding 0.2% by weight
6(a)	Lead	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
6(b)	Lead	Lead as an alloying element in aluminum containing up to 0.4% lead by weight
6(c)	Lead	Copper alloy containing up to 4% lead by weight
7(a)	Lead	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
7(b)	Lead	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission, and network management for telecommunications

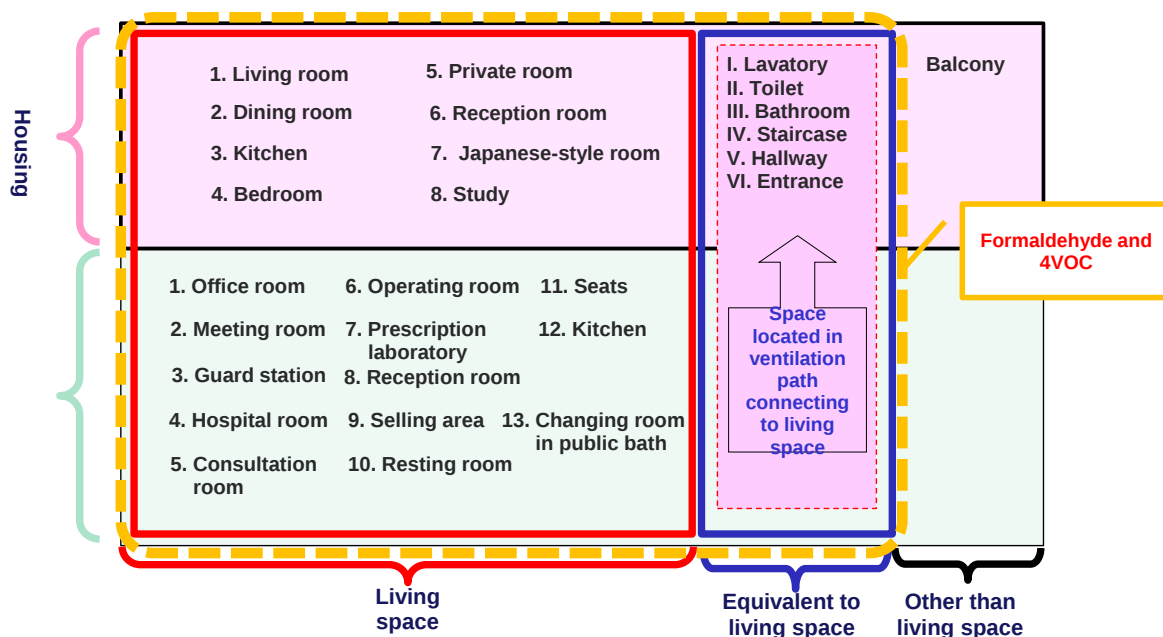
No.	Substance	Exempted use
7(c)-I	Lead	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezo electronic devices, or in a glass or ceramic matrix compound
7(c)-II	Lead	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
7(c)-III	Lead	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 1 January 2013
7(c)-IV	Lead	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors [Scope and dates of applicability] Expires on 21 July 2016
8(a)	Cadmium	Cadmium and its compounds in one shot pellet type thermal cut-offs [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 1 January 2012
8(b)	Cadmium	Cadmium and its compounds in electrical contacts
9	Hexavalent chromium	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75 % by weight in the cooling solution
9(b)	Lead	Lead in bearing shells and bushes for refrigerant containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications
11(a)	Lead	Lead used in C-press compliant pin connector systems [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 24 September 2010
11(b)	Lead	Lead used in other than C-press compliant pin connector systems [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 1 January 2013
12	Lead	Lead as a coating material for the thermal conduction module C-ring [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 24 September 2010
13(a)	Lead	Lead in white glasses used for optical applications
13(b)	Lead	Lead in filter glasses and glasses used for reflectance standards
14	Lead	Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 1 January 2011
15	Lead	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages
17	Lead	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications
18(b)	Lead	Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi2O5:Pb)
21	Lead Cadmium	Lead and cadmium in printing inks for the application of enamels on borosilicate glass
23	Lead	Lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm and less [Scope and dates of applicability] May be used in spare parts for EEE placed on the market before 24 September 2010
24	Lead	Lead in solders for the soldering to machined through hole dissolvent and planar array ceramic multilayer capacitors
25	Lead	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring
29	Lead	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC
30	Cadmium	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more
31	Lead	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)
32	Lead	Lead oxide in seal frit used for making window assemblies for argon and krypton laser tubes
33	Lead	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers
34	Lead	Lead in cermet-based trimmer potentiometer elements
37	Lead	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body
38	Cadmium	Cadmium and cadmium oxide in thick film pastes used on aluminum bonded beryllium oxide
39	Cadmium	Cadmium in color converting II-VI LEDs (< 10 µg Cd per mm ² of light-emitting area) for use in solid state illumination or display systems [Scope and dates of applicability] Expires on 1 July 2014

* No. 2(b)(1), No. 10, No. 16, No. 18(a), No. 19, No. 20, No. 22, No. 26, No. 27, No. 28, and No. 36 are omitted in accordance with the exclusion items of EU Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical Equipment (2011/65/EU)(RoHS Directive).

Appendix Table 4

Concepts of Measures for Formaldehyde and 4VOC Based on Spaces, Parts, and Materials

1. Space (space subject to emissions of formaldehyde and 4VOC)



2. Areas (areas subject to formaldehyde and 4VOC)

Public (non-housing)	Classification	Subject area	Formaldehyde (F****)	4VOC
	Interior finish	- Part facing the room 1	Handled	Handled
	Foundation	- Top board, end board, bottom plate, and column plate in cabinets Those fixed by backboard, etc.	Handled * The law requires grade F*** or above	Handled
	Not subject to regulation	- Shafts and cut ends of pillars, etc. - Fixture of skirting boards, balusters, lintel, beam running between columns, fitting frame etc. - Areas smaller than 1/10 of projective areas of the products - Detachable column plates, etc. (equivalent to brought-in furniture) - Parts not facing the living space (core, etc.) - Paint and adhesive partially used for on-site painting	Handled	Voluntarily handled * Decide whether to handle or not by taking competitor's situations into consideration

3. Materials (materials subject to emission of formaldehyde)

(See Appendix Table 4-2 for details)

1. Plywood 2. Wood flooring 3. Structure panel 4. Laminated wood 5. Laminated veneer lumber 6. Fiber board (MDF) 7. PB 8. Sawn wood boards that are joined together on their surfaces and processed into sheets 9. Urea resin board 10. Wallpaper 11. Adhesive (formaldehyde-based) (for on-site work and secondary processing)	12. Heat reserving material 13. Buffer material 14. Heat insulating material 15. Paint (for on-site work) 16. Adhesive (for on-site work) 17. Finishing paint (for on-site work)	1. Solid wood 2. Boards 3. Decorative sheets (high-pressure melamine resin board, vinyl chloride sheet, printing paper, olefin sheet, wood veneer) 4. Paint (for on-site work, non-formaldehyde-based)* 5. Adhesive (non-formaldehyde-based)* 6. Finishing coating (non-formaldehyde-based)* 7. Metals 8. Concrete materials 9. Ceramic building material (glass, tile, brick) 10. Natural stone 11. Inorganic plastered wall
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Building material subject to announcement (applicable to F****)



Building materials not subject to announcement

* Building materials not subject to announcement that has F**** registration systems in industrial associations

Building material	Industrial association
Paint (for on-site work, non-formaldehyde-based)	Japan Paint Manufacturers Association
Adhesive (non-formaldehyde-based)	Japan Adhesive Industry Association
Finishing coating (non-formaldehyde-based)	Japan Building Coating Materials Association

Appendix Table 4-2

Building Materials Subject to Announcement and List of Building Materials for 4VOC Marking

1. Formaldehyde

✓: Marking required by the law ×: Building material not subject to marking

	Type of building material	Formaldehyde (F****)
1. Building materials subject to announcement	A Plywood	✓
	B Wood flooring	✓
	C Structure panel	✓
	D Laminated wood	✓
	E Laminated veneer lumber	✓
	F MDF	✓
	G Particle board	✓
	H Sawn wood boards, veneer sheets, small pieces, or equivalent are joined together on their surfaces using adhesive containing urea resin, melamine resin, phenol resin, resorcinol resin, or formaldehyde-based antiseptic agent and processed into sheets	✓
	I Urea resin board	✓
	J Wallpaper	✓
	K Adhesive	
	1) Starch-based adhesive for installing wallpaper	✓
	2) Starch-based adhesive containing formaldehyde solution for installing fixture	✓
	3) Adhesive containing urea resin, melamine resin, phenol resin, resorcinol resin, or formaldehyde-based antiseptic agent	✓
	L Heat reserving material	
	1) Rockwool heat reserving board, Rockwool felt, Rockwool heat reserving belt, and Rockwool heat reserving pipe cover	✓
	2) Glass wool heat reserving board, glass wool felt, glass wool heat reserving belt, and glass wool heat reserving pipe cover	✓
	3) Heat reserving material using phenol resin	✓
	M Buffer material	
	1) Rockwool buffer material for floating floor	✓
	2) Glass wool buffer material for floating floor	✓
	N Heat insulating material	
	1) Rockwool insulating material	✓
	2) Glass wool insulating material	✓
	3) Glass wool insulating material for blowing	✓
	4) Heat insulating material containing urea resin or melamine resin	✓
2. building materials subject to announcement only when coated during installation work	A Paint (only those containing urea resin, melamine resin, phenol resin, resorcinol resin, or formaldehyde-based antiseptic agent) *1	
	1) Aluminum paint	✓
	2) Oil-based paint	✓
	3) Synthetic resin-based paint	✓
	4) Phthalic acid resin varnish	✓
	5) Phthalic acid resin enamel	✓
	6) Oil-based base paint	✓
	7) General-use rust resisting paint	✓
	8) Multicolor design paint	✓
	9) Housing indoor wood floor paint	✓
	10) Housing wood/metal paint	✓
	11) Building floor paint	✓
	B Finishing coating (only those containing urea resin, melamine resin, phenol resin, resorcinol resin, or formaldehyde-based antiseptic agent)	
	1) Interior synthetic resin emulsion coating for thin textured finishes	✓
	2) Interior synthetic resin emulsion coating for thick textured finishes	✓
	3) Lightweight aggregate finishing coating	✓
	4) Synthetic resin emulsion multi-layer finishing coating	✓
	5) Waterproof synthetic resin emulsion multi-layer finishing coating	✓
	C Adhesive (only those containing urea resin, melamine resin, phenol resin, resorcinol resin, or formaldehyde-based antiseptic agent)	
	1) Vinyl acetate resin solvent-based adhesive	✓
	2) Rubber solvent-based adhesive	✓
	3) Vinyl copolymer resin solvent-based adhesive	✓
	4) Regenerated rubber solvent-based adhesive	✓

	Type of building material	Formaldehyde (F****)
3. Building materials not subject to announcement	A Wood (solid wood)	x
	B Boards	
	1) Insulation board	x
	2) Hard board	x
	3) Wood cement board	x
	4) Pulp cement board	x
	5) Plaster board	x
	6) Calcium silicate board	x
	7) Rockwool acoustical board	x
	8) Volcanic vitreous double-glazed board	x
	9) Bamboo flooring	x
	C Decorative sheet	
	1) High-pressure melamine resin board	x
	2) Printing paper	x
	3) Olefin sheet	x
	4) Vinyl chloride sheet	x
	5) Wood veneer	x
	D Coating material*1	
	1) Shellac varnish, etc.	x
	2) Nitrocellulose lacquer	x
	3) Lacquer-based sealer	x
	4) Lacquer-based base paint	x
	5) Vinyl chloride resin varnish	x
	6) Vinyl chloride resin enamel	x
	7) Vinyl chloride resin primer	x
	8) Acrylic resin varnish	x
	9) Acrylic resin enamel	x
	10) Acrylic resin primer	x
	11) Synthetic resin emulsion paint and sealer	x
	12) Synthetic resin emulsion design paint	x
	13) Synthetic resin emulsion putty	x
	14) Household indoor wall paint	x
	15) Building polyurethane resin paint	x
	16) Glossy synthetic resin emulsion paint	x
	17) Acrylic resin nonaqueous resin paint	x
	18) Oil stain	x
	19) Pigment stain	x
	E Adhesive	
	1) Vinyl acetate resin-based emulsion adhesive	x
	2) Vinyl copolymer resin-based emulsion adhesive	x
	3) Rubber latex-based adhesive	x
	4) Epoxy modified synthetic rubber latex-based adhesive	x
	5) Aqueous polymer-isocyanate-based adhesive	x
	6) α-olefin-resin-based adhesive	x
	7) Epoxy resin-based adhesive	x
	8) Urethane resin-based adhesive	x
	9) Modified silicone resin-based adhesive	x
	10) Silylated urethane resin-based adhesive	x
	11) Hot-melt adhesive	x
	F Finishing coating	x
	G Metals	
	1) Aluminum board	x
	2) Copper board	x
	3) Stainless steel board	x
	4) Enameled iron board (including PCM board, vinyl chloride copper board, color aluminum, etc.)	x
	H Concrete materials	x
	I Ceramic building material	x
	J Natural stone	x
	K Inorganic plastered wall	x

*1: With regard to paints, only on-site painting is regulated, and painting in secondary processing is not regulated. (Q&A session in the "Explanatory Session for Housing Component Guideline" (held on May 29, 2003 by Japan Construction Material & Housing Equipment Industries Federation and three other organizations)

2. 4VOC

The applicable building materials (hereafter target materials) shall be those used in living spaces shown below.

1. Building boards, wallpaper, and floor materials specified in JIS A1902-1
2. Adhesives specified in JIS A1902-2
3. Paints and building finishing coatings specified in JIS A1902-3
4. Heat insulating materials specified in JIS A1902-4
5. Other materials using the subject VOC that can be logically evaluated based on the applicable standards
6. Materials for which it has been confirmed that containment of the subject VOC indicated in the separate table is below standard values

Separate table

Materials for which it has been confirmed that containment of the subject VOC is below standard values*

Material	Requirement	Note
Household Rockwool heat	JIS A 9521	According to the investigation result of Rock Wool Association Japan
Rockwool heat reserving/insulating	JIS A 9504	
Rockwool (for blowing)	JIS A 9504	
Rockwool heat insulating material for	JIS A 9523	
Rockwool decorative acoustical board	JIS A 6301	
Household glass wool heat	JIS A 9521	
Glass wool heat insulating	JIA A 9523	According to the investigation result of Glass Fiber Association
Wood (lumber, sliced veneer of natural wood)	—	According to the report of "Study group of VOC proofing/mark from wood building material" (on August 1, 2008 by Japan Housing and Wood Technology Center)
Three-tier panel/modified material	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, three-tier panels and modified materials using aqueous polymer/isocyanate adhesive shall be domestically produced.	
Plywood	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, plywood using aqueous polymer/isocyanate adhesive shall be domestically produced.	
Laminated wood	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, for laminated wood using aqueous polymer/isocyanate adhesive, the adhesive shall be in compliance with 4VOC standards or their release rate shall be below the standard values set by Japan Adhesive Industry Association.	
Laminated veneer lumber (LVL)	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, laminated veneer lumber using aqueous polymer/isocyanate adhesive shall be domestically produced.	
Flooring	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, for flooring using aqueous polymer/isocyanate adhesive, the adhesive shall be in compliance with 4VOC standards or their release rate shall be below the standard values set by Japan Adhesive Industry Association. Any kind of products shall not be processed by coating, etc.	
Particle board	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, for flooring using isocyanate-based adhesive, the adhesive shall be in compliance with 4VOC standards or their release rate shall be below the standard values set by Japan Adhesive Industry Association.	
MDF	Products using urea resin adhesive, melamine/urea cocondensation resin adhesive, melamine resin adhesive, phenol resin adhesive, and resorcinol resin adhesive, or adhesives created by cocondensation or missing these. However, for MDF using isocyanate-based adhesive, the adhesive shall be in compliance with 4VOC standards or their release rate shall be below the standard values set by Japan Adhesive Industry Association.	
Insulation board	—	
Hard board	—	

* Source: "Self-imposed marking system for VOC emission from decorative board, etc." and "Guideline of VOC marking on household components" in the website of Japan Construction

Appendix Table 4-3

List of Exclusion Items of 4VOC Operation Standards

	List of exclusion items
1	Shaft-shaped parts, areas smaller than 1/10 of projective areas of products, cut ends, parts not facing the room (cores, etc.), paints, adhesives, and other materials that are only used partially are exempted. *1
2	Products using wood building materials for a specific customer not requiring conformity to 4VOC standards.

*1: Source: "Basic Technical Criteria for Countermeasures Regarding Sick House Issues" issued by MLIT

*1: Source: "Guideline of VOC Marking on Housing Components"

Japan Construction Material & Housing Equipment Industries Federation

Association of Living Amenity

Japan Association of Kitchen & Bath

National Cooperative Association of Natural Veneer Decorated Plywood Industries

Japan Print Color Plywood Industries Federation

Appendix Table 4-4

Types of Certification of Conformity to 4VOC Standards for Components of Wood Building Mater

Type	Unit	Component	Proof (any one of those)
Decorative board	Individual evaluation	Decorative sheet	Registration Number in Printers Association of Japan
			ISM registration number in Japan Wallcoverings Association
			Non-use warranty and GHS-compatible MSDS
			VOC emission test report based on JISA1902-1
		Adhesive	Registration Number in Japan Adhesive Industry Association
			VOC emission test report based on JISA1902-2
	Overall evaluation	Base material	Registered item of Japan Fiberboard and Particleboard Manufacturers Association
			Japan Construction Material & Housing Equipment Industries Federation_Marking Rules Concerning VOC Emission from Decorative Boards (Reference form 3) Check Items for Base Materials Reference Documents
			VOC emission test report based on JIS1902-1
Coated plate	Individual evaluation	Paint	Registered item of Japan Fiberboard and Particleboard Manufacturers Association
			Registration Number in Japan Construction Material & Housing Equipment Industries Federation
			Registration Number in Japan Print Color Plywood Industries Federation
			Registration Number in National Cooperative Association of Natural Veneer Decorated Plywood Industries
		Base material	Registration Number in Japan Laminated Wood Products Association
			VOC emission test report based on JIS1902-1
	Overall evaluation	Paint+base material	Non-use warranty, MSDS, and composition table (recipe)
			Non-use warranty and GHS-compatible MSDS
			VOC emission test report based on JISA1902-3
			Registered item of Japan Fiberboard and Particleboard Manufacturers Association
			Japan Construction Material & Housing Equipment Industries Federation_Marking Rules Concerning VOC Emission from Decorative Boards (Reference form 3) Check Items for Base Materials Reference Documents
			VOC emission test report based on JIS1902-1
			Registered item of Japan Fiberboard and Particleboard Manufacturers Association
			Registration Number in Japan Construction Material & Housing Equipment Industries Federation
			Registration Number in Japan Print Color Plywood Industries Federation
			Registration Number in National Cooperative Association of Natural Veneer Decorated Plywood Industries
			VOC emission test report based on JIS1902-1
			Registration Number in Japan Laminated Wood Products Association

Source: Explanations on the Guideline for VOC Marking on Housing Components

Appendix Table 1. Table of Basis for Decorative Board Based on the Guideline for VOC Marking on Housing Components/Japan Construction Material & Housing Equipment Industries Federation, etc.