1. List of risk assessment chemicals, including carcinogen and those using impermeable protective clothing against skin damage*6

(1) Order for Industrial Safety and Health (OISHA), appended Table 3

OISHA appended Table 3	Risk assessment chemical (Name in Industrial Safety and Health Act)	CAS RN® *1	Cut off value (wt%)		Remarks	▼Adminitrative level	Obligation to keep work records for 30 years		Hazardous to/through skin; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPHSCS*11	Cut off value (wt%)*13
1	Dichlorobenzidine and its salts	91-94-1, others	0.1	0.1	*3 Manufacture permitted chemicals			●			●	1
2	α -Naphthylamine and its salts	134-32-7, others	1	1	*3 Manufacture permitted chemicals			●			●	1
3	Polychlorobiphenyl (PCB)	*2	0.1	0.1	*3 Manufacture permitted chemicals	▼0.01mg/m^3	**1B;** 1336-36-3, 53469-21-9, 11097-69-1 (Polychlorobiphenyl)				●	1
4	o-Tolidine and its salts	119-93-7, others	1	0.1	*3 Manufacture permitted chemicals			●			●	1
5	Dianisidine and its salts	119-90-4, others	1	0.1	*3 Manufacture permitted chemicals			●			●	1
6	Beryllium and its compounds	*2	0.1	0.1	*3 Manufacture permitted chemicals	▼0.001mg/m^3 as Beryllium		●			●	1 (In alloys, the beryllium content is 3% of its weight)
7	Benzotrichloride	98-07-7	0.1	0.1	*3 Manufacture permitted chemicals	▼0.05ppm		●			●	0.5

(2) Order for Industrial Safety and Health Act (OISHA), appended Table 9

OISHA appended Table 9	Risk assessment chemical (Name in Industrial Safety and Health Act)	CAS RN● *1	Cut off value (wt%)		Risk assessment effective date	▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPHSCS*11	Cut off value (wt%)*13
1	Allylmercury compound	*2	1	0.1	*3				●55-68-58 (Phenylmercury nitrate9Phenylmercury nitrate), 62-38-4 (Acetoxyphenylmercury (II))			1
2	Alkylaluminium compounds	*2	1	1	*3				●97-93-8 (Triethylaluminum)			1
3	Alkylmercury compounds (limited to those whose alkyl group is a methyl group or ethyl group)	*2	0.3	0.1	*3	▼0.01mg/m3 as Mercury					●	1
4	Aluminum	7429-90-5	1	1	*3							
	Aluminum water soluble salt	*2	1	0.1					●1302-42-7 (Sodium aluminate), 446-70-0 (Aluminium chloride, anhydrous), 39148-24-8 (Aluminium tris (ethyl phosphonate) (Fosetyl or Fosetyl-aluminium)) eye			1
5	Diantimony trioxide	1309-64-4	0.1	0.1	*3	▼0.1mg/m3 as Antinony		●			●	1
	Antimony and its compounds (excluding diantimony trioxide)	*2	1	0.1					●7647-18-9 (Antimony(V) chloride), 7791-08-4 (Antimony chloride oxide)			1
6	Yttrium and its compounds	*2	1	1	*3							1
7	Indium	7440-74-6	1	1	*3							
	Indium compound	*2	0.1	0.1				●			●	1
8	Uranium and its compounds	*2	0.1	0.1	*4 (Uraniumu, Bis(acetato)dioxidouranium and its dihydrate, Bis(nitrato)dioxidouranium), *3 Bis(nitrato)dioxidouranium dihydrate, Bis(nitrato)dioxidouranium hexahydrate		1A; 541-09-3 (Uranyl acetate), 6159-44-0 (Uranyl acetate dihydrate), 7440-61-1 (Uranium), 13520-83-7 (Uranyl nitrate hexahydrate)			●7440-61-1 (Uranium)		0.1
9	Cadmium and its compounds	*2	0.1	0.1	*3	▼0.05mg/m3 as Cadmium	1A; 513-78-0 (Cadmium carbonate), 542-83-6 (Cadmium cyanide), 543-90-8 (Cadmium acetate), 1306-19-0 (Cadmium oxide), 1306-23-6 (Cadmium sulfide), 2223-93-0 (Cadmium stearate), 2605-44-9 (Cadmium laurate), 7440-43-9 (Cadmium), 7789-42-6 (Cadmium bromide), 7790-78-5 (Cadmium chloride hemipentahydrate), 7790-80-9 (Cadmium(II) iodide), 7790-84-3 (Cadmium sulfate 8/3hydrate), 10022-68-1 (Cadmium nitrate tetrahydrate), 10108-64-2 (Cadmium chloride), 10124-36-4 (Cadmium sulfate), 10325-94-7 (Cadmium nitrate), 12214-12-9 (Cadmium selenide sulfide), 21041-95-2 (Cadmium hydroxide)				●	1
10	Silver and its water-soluble compour	*2	1	0.1	*3				●7440-22-4 (Silver (excluding nanoparticles)), 7761-88-8 (Nitric acid silver(I))			1
11	Chromic acid and chromates and dichromic acid and dichromates	*2	0.1	0.1	*3	▼Chromic acid and chromates: 0.05mg/m3 as Chromium ; ▼dichromic acid and dichromates: 0.05mg/m3 as Chromium		●			●	1

OISHA appended Table 9	Risk assessment chemical (Name in Industrial Safety and Health Act)	CAS RN● *1	Cut off value (wt%)		Risk assessment effective date	▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPHSCS*11	Cut off value (wt%)*13
	Chromium and its compounds (excluding chromic acid and chromates, and dichromic acid and dichromates)	*2	1	0.1					●1308-14-1 (Chromium hydroxide hydrate), 1308-38-9 (Chromium (III) oxide), 1344-37-2 (Pigment Yellow 34), 6449-00-9 (Dichromium tricarbonate), 7440-47-3 (Chromium), 10025-73-7 (Chromium(III) chloride), 10060-12-5 (Chromium(III) chloride, hexahydrate), 10101-53-8 (Chromium(III) sulfate), 14977-61-8 (Chromic oxychloride; Chromyl dichloride)	●Limited to 14977-61-8 (Chromic oxychloride; Chromyl dichloride)	●	1 14977-61-8 (Chromic oxychloride; Chromyl dichloride) 0.1
12	Cobalt and its compounds	*2	0.1	0.1	*3	▼0.02mg/m3 as Cobalt		●	●71-48-7 (Cobalt(II) acetate), 136-52-7 (Cobalt(II) 2-ethylhexanoate), 544-18-3 (Cobalt(II) formate), 917-69-1 (Cobalt(III) acetate), 6147-53-1 (Cobalt(II) acetate tetrahydrate)		●	1
13	Zirconium compound	*2	1	1	*3							
14	Mercury and its inorganic compounds (excluding mercury sulfide)	*2	0.3	0.1	*3	▼0.025mg/m3 as Mercury					●	1
15	Tin and its compounds	*2	1	0.1	*3	◆77-58-7 (Dibutyltin dilaurate), 78-04-6 (Dibutyltin maleate), 683-18-1 (Dibutyltin dichloride), 818-08-6 (Dibutyltin oxid), 25168-24-5 (Dibutyltin bis(isooctyl thioglycolate) 0.1mg/m3(8hrs) as Tin ◆639-58-7 (Triphenyltin chloride) 0.003mg/m3(8hrs) as Tin ◆1118-46-3 (Butyltrichlorotin) 0.02mg/m3(8hrs) as Tin ◆1461-22-9 (Tributyltin chloride), 1983-10-4 (Tributyltin fluoride) 0.05mg/m3(8hrs) as Tin ◆1461-25-2 (Tetrabutyltin) 0.2mg/m3(8hrs) as Tin			●78-04-6 (Dibutyltin maleate), 683-18-1 (Dibutyltin dichloride), 814-94-8 (Tin(II) oxalate), 818-08-6 (Dibutyltin oxide)eye , 900-95-8 (Fentin acetate), 1118-46-3 (Butyltrichlorotin), 7488-55-3 (Tin sulphate), 7646-78-8 (Stannic chloride), 10584-98-2 (Dibutyltin bis(2-ethylhexylthioglycolate)), 25168-24-5 (Dibutyltin bis(isooctyl thioglycolate)), reaction product of 15571-58-1 (2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate [DOTE] and 27107-89-7 (Tris(2-ethylhexyl) [(octylstannanetriyl)tris(sulfanediyl)]triacetate [MOTE]	●Limited to 594-27-4 (Tetramethyltin)		1
16	Selenium and its compounds	*2	1	0.1	*3	◆7782-49-2 (Selenium) 0.02mg/m3(8hrs) as Selenium			●7783-00-8 (Selenious acid), 7783-79-1 (Selenium hexafluoride) eye			1
17	Thallium and its water-soluble compounds	*2	0.1	0.1	*3	◇7440-28-0 (Thallium) 0.02mg/m3(8hrs) as Thallium			●7440-28-0 (Thallium and its compounds), 10102-45-1 (Thallium(I) nitrate)	●7440-28-0 (Thallium and its compounds)		7440-28-0 (Thallium and its compounds) 0.3, 10102-45-1 (Thallium(I)
18	Tungsten and its water-soluble compounds	*2	1	1	*3							
19	Tantalum and its oxides	*2	1	1	*3							
20	Iron water soluble salts	*2	1	1	*3				●7705-08-0 (Iron (III) chloride)			1
21	Tellurium and its compounds	*2	1	0.1	*3							

OISHA appended Table 9	Risk assessment chemical (Name in Industrial Safety and Health Act)	CAS RN● *1	Cut off value (wt%)		Risk assessment effective date	▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPHSCS*11	Cut off value (wt%)*13
22	Copper and its compounds	*2	1	0.1	*3		1B; 16071-86-6 ({5-[(4'-((2,6-Hydroxy-3-((2-hydroxy-5-sulfophenyl)azo)phenyl)azo)(1,1'-biphenyl)-4-yl)azo]salicylato(4-)}cuprate(2-) disodium salt; C.I. Direct Brown 95), 28407-37-6 (Tetrasodium 3,3'-[(3,3'-dimethoxy-1,1'-biphenyl-4,4'-diyl)bis(azo)]bis(5-amino-4-hydroxy-2,7-naphthalenedisulfonato)dicuprate(II); C.I. Direct Blue 218)		●544-92-3 (Copper(I) cyanide), 1317-38-0 (Copper(II) oxide), 7440-50-8 (Copper), 7447-39-4 (Copper dichloride), 7758-89-6 (Cuprous chloride), 7758-98-7(Copper(II) sulfate (anhydrous)), 7758-99-8 (Copper(II) sulfate, pentahydrate), 10031-43-3 (Copper(II) dinitrate trihydrate), 10380-28-6 (Bis(8-quinolinolato)copper; Oxine-copper) eye, 12062-24-7 (Copper hexafluorosilicate), 14915-37-8 (Bis(2-sulfidopyridin-1-olato)copper)			1
23	Lead and its inorganic compounds	*2	0.1	0.1	*3	▼0.05mg/m3 as Lead	1B; 592-05-2 (Lead dicyanide), 598-63-0 (lead carbonate), 1344-40-7 (Lead phosphite dibasic), 1335-32-6 (Lead acetate, basic; lead acetate), 7446-14-2 (Lead sulfate), 7783-46-2 (Lead difluoride), 10099-76-0 (Lead(2+) silicate), 12013-69-3 (Dicalcium lead tetraoxide), 12060-00-3 (Lead titanate), 12202-17-4 (Lead oxide sulfate (Pb4O3(SO4))), 13424-46-9 (Lead azide), 13510-89-9 (Diantimony trilead octaoxide), 13814-96-5 (Lead bis(tetrafluoroborate)), 14720-53-7 (Lead metaborate), 19783-14-3 (Lead hydroxide), 25808-74-6 (Lead hexafluorosilicate), 56189-09-4 (Dioxobis(stearato)dilead), 90583-37-2 (Sulfurous acid, lead(2+) salt, basic)		●1344-37-2 (Pigment Yellow 34), 7758-95-4 (Lead dichloride) eye			1
24	Nickel	7440-02-0	1	0.1	*3	◇1mg/m3(8hrs)			●7440-02-0 (Nickel)			1
	Nickel compounds (limited to powdered substances, excluding nickel carbonyl)	*2	0.1	0.1	*3	▼0.1mg/m3 as Nickel			●1313-99-1 (Nickel (II) oxide), 1314-06-3 (Nickel (III) oxide), 7718-54-9 (Nickel chloride), 7786-81-4 (Nickel sulphate), 7791-20-0 (Nickel chloride hexahydrate), 10101-97-0 (Nickel sulfate hexahydrate), 12035-36-8 (Nickel (IV) oxide), 12035-72-2 (Nickel sulfide (Trinickel disulfide)), 12054-48-7 (Nickel dihydroxide), 13138-45-9 (Nickel (II) nitrate), 13478-00-7 (Nickel(II) nitrate), 13770-89-3 (Nickel(II) bis(sulfamidate)), 14220-17-8 (Dipotassium nickel (II) tetracyanide), 16812-54-7 (Nickel sulphide), 39430-27-8 (Nickel carbonate tetrahydrate)		● Limited to powdered products, excluding Nickel carbonyl	1
	Nickel carbonyl	13463-39-3	0.1	0.1		▼0.001ppm		●			●	1
25	Platinum and its water-soluble salts	*2	1	0.1	*3				●7440-06-4 (Platinum), 16923-58-3 (Disodium hexachloroplatinate), 16941-12-1 (Hexachloroplatinic acid(IV))			1
26	Hafnium and its compounds	*2	1	1	*3							
27	Barium and its water-soluble compounds	*2	1	1	*3				●12230-71-6 (Barium hydroxide octahydrate)			1
28	Arsenic and its compounds (excluding arsine and gallium arsenide)	*2	0.1	0.1	*3	▼0.003mg/m3 as arsenic ★7784-42-1 (Arsine)	1A ; 1303-00-0 (Gallium arsenide), 7784-42-1 (Arsine)	● excluding 1303-00-0 (Gallium arsenide), and 7784-42-1 (Arsine)			● excluding 1303-00-0 (Gallium arsenide), and 7784-42-1 (Arsine)	1

OISHA appended Table 9	Risk assessment chemical (Name in Industrial Safety and Health Act)	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPHSCS*11	Cut off value (wt%)*13
29	Fluorine and its water-soluble inorganic compounds	*2	1	0.1	*3				●1341-49-7 (Ammonium hydrogendifluoride), 7681-49-4 (Sodium fluoride) eye , 7783-60-0 (Sulphur tetrafluoride), 7789-21-1 (Fluorosulfonic acid), 12062-24-7 (Copper hexafluorosilicate), 16872-11-0 (Borofluoric acid), 16961-83-4 (Fluorosilicic acid), 18972-56-0 (Magnesium hexafluorosilicate hexahydrate) eye			1
	Hydrogen fluoride	7664-39-3	1	0.1	*3	▼0.5ppm					●	5
30	Manganese and its inorganic compounds	*2	0.3	0.1	*3	▼0.05mg/m3 as Manganese					●	1
31	Molybdenum and its compounds	*2	1	0.1	*3							
32	Iodide	*2	1	1		▼Methyl iodine 2ppm			●3861-47-0 (3,5-Diiodo-4-octanoyloxybenzonitrile), 10034-85-2 (Hydrogen iodide), 55406-53-6 (3-iodo-2-propynyl butylcarbamate)		●74-88-4 (Methyl iodine)	1
	Iodide	7553-56-2	1	0.1		◆0.02ppm (8hrs)			●7553-56-2 (Iodine)			1
33	Rhodium and its compounds	*2	1	0.1	*3				●7440-16-6 (Rhodium)			1

*2 Unable to identify CAS RN®
*3 Substances for which labels and SDS are required before March 31, 202

(3) Ordinance on Industrial Safety and Health (OISH), Appended Table 2

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1	Zinc powder - zinc dust (stabilized)	7440-66-6	1	1	*5							
2	Sodium chlorite	7758-19-2	1	1	*5							
3	Acrylamide	79-06-1	0.1	0.1	*3	▼0.1mg/m^3	1B				●	1
4	Acrylic acid	79-10-7	1	1	*3	◆2ppm (8hrs)			●	●		1
5	Isooctyl acrylate	29590-42-9	1	1	*5							
6	Isobutyl acrylate	106-63-8	1	1	*5							
7	Ethyl acrylate	140-88-5	1	0.1	*3	◇2ppm (8hrs)			●			1
8	2-ethylhexyl acrylate	103-11-7	1	0.1	*4				●			1
9	2-Ethoxyethyl acrylate	106-74-1	1	1	*5							
10	2,3-Epoxypropyl acrylate (Glycidyl acrylate)	106-90-1	1	0.1	*4				●			1
11	2-(Dimethylamino)ethyl acrylate	2439-35-2	1	0.1	*3				●			1
12	tert-Butyl acrylate	1663-39-4	1	0.1	*4				●			1
13	n-Butyl acrylate	141-32-2	1	0.1	*3	◆2ppm (8hrs)			●			1
14	2-Hydroxyethyl acrylate	818-61-1	1	0.1	*4				●			1
15	2-Hydroxypropyl acrylate	999-61-1	1	0.1	*3				●	●		1
16	Methyl acrylate	96-33-3	0.1	0.1	*3	◇2ppm (8hrs)	1B		●	●		0.1
17	2-Methoxyethyl acrylate	3121-61-7	1	1	*5							
18	Pentaerythritol triacrylate	3524-68-3	1	0.1	*4				●			1
19	Acrylonitrile	107-13-1	0.1	0.1	*3	▼2ppm	1B				●	1
20	Acrylaldehyde	107-02-8	1	1	*3	◇0.1ppm (short term)			●	●		0.1
21	Dodecane-12-lactam	947-04-6	1	1	*5							
22	Azathioprine	446-86-6	0.1	0.1	*3		1A		●			1
23	Hydrogen azide	7782-79-8	1	1	*4							
24	Sodium azide	26628-22-8	1	1	*3				●	●		1
25	1-[(2R,4S,5S)-4-Azido-5-(hydroxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione (Zido vudine)	30516-87-1	1	0.1	*4							
26	Adipic acid	124-04-9	1	1	*3							
27	Dibutyl adipate	105-99-7	1	0.1	*5							
28	Adiponitrile	111-69-3	1	1	*3					●		1
29	Isobutyl nitrite	542-56-3	1	0.1	*3							
30	Isopropyl nitrite	541-42-4	1	1	*4							
31	Isopentyl nitrite (Isoamyl nitrite)	110-46-3	1	1	*4							
32	Potassium nitrite	7758-09-0	1	0.1	*4							
33	Calcium nitrite	13780-06-8	1	1	*4							
34	Silver nitrite	7783-99-5	1	1	*4							
35	tert-Butyl nitrite	540-80-7	1	1	*4							
36	Sodium nitrite	7632-00-0	1	0.1	*4							
37	Butyl nitrite	544-16-1	1	1	*5							
38	Methyl nitrite	624-91-9	1	1	*4							
39	2-(1-Aziridinyl)ethanol	1072-52-2	1	1	*4				●eye			1
40	Asphalt (straight asphalt)	8052-42-4	1	0.1	*3					●		1
41	Acetazolamide	59-66-5	0.3	0.1	*3							
42	Acetylacetone [2,4-pentanedione]	123-54-6	1	1	*3					●		1
43	Acetyl chloride	75-36-5	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
44	Acetylsalicylic acid	50-78-2	0.3	0.1	*3	◇5mg/m^3 (8hrs)			●			1
45	Acetyl bromide	506-96-7	1	1	*5							
46	3-Aceto-6-methyl-2-pyronone	520-45-6	1	1	*5							
47	Ethyne	74-86-2	1	1	*5							
48	2-Butynediamide	543-21-5	1	1	*5							
49	Acetanilide	103-84-4	1	0.1	*4							
50	Acetamide	60-35-5	1	0.1	*3							
51	Acetaldehyde	75-07-0	0.1	0.1	*3	◇10ppm (short term)	1B		●			1
52	6-Acetoxy-2,4-dimethyl-1,3-dioxane	828-00-2	1	0.1	*4				●			1
53	Ethyl acetoacetate	141-97-9	1	1	*5							
54	Butyl acetoacetate	591-60-6	1	1	*5							
55	Methyl acetoacetate	105-45-3	1	1	*5							
56	Acetonitrile	75-05-8	1	1	*3	◇10ppm (8hrs)				●		1
57	Acetophenone	98-86-2	1	0.1	*3							
58	Acetone	67-64-1	1	0.1	*3	▼500ppm						
59	2-Hydroxy-2-methylpropanenitrile (Acetone cyanohydrin)	75-86-5	1	1	*3	◇5ppm (short term)				●		1
60	Acetone thiosemicarbazone	1752-30-3	1	1	*3							
61	Acenaphthylene	208-96-8	1	1	*4							
62	Acenaphthene	83-32-9	1	1	*5							
63	Azodicarbonamide	123-77-3	1	0.1	*4				●			1
64	2,2'-Azobisisobutyronitrile	78-67-1	1	1	*4							
65	Azobenzene	103-33-3	1	0.1	*5							
66	Atropine	51-55-8	1	1	*4							
67	Sodium dithionite (Hydrosulfite)	7775-14-6	1	1	*5							
68	Aniline	62-53-3	1	0.1	*3	◇2ppm (8hrs)			●	●		0.1
69	Anilinium chloride	142-04-1	1	0.1	*4							
70	Aniline, polymer with formaldehyde	25214-70-4	0.1	0.1	*3		1B					
71	Aflatoxins	1402-68-2	0.1	0.1	*3		1A			●		0.1
72	Methamidophos	10265-92-6	1	1	*5							
73	Ammonium sulphamate	7773-06-0	1	1	*3							
74	1-Amino-9,10-anthraquinone	82-45-1	1	1	*5							
75	2-Aminoethanol	141-43-5	1	0.1	*3	◆20mg/m^3 (8hrs)			●			1
76	Cysteamine	60-23-1	0.3	0.1	*3							
77	N-(2-Aminoethyl)-2-aminoethanol	111-41-1	1	0.1	*3				●			1
78	9-Ethylcarbazol-3-ylamine	132-32-1	0.1	0.1	*3		1B					
79	2-Piperazin-1-ylethylamine	140-31-8	1	0.1	*4				●			1
80	2-Amino-4-chlorophenol	95-85-2	1	0.1	*5							
81	2-Amino-5-chloro-4-methylbenzenesulfonic acid	88-53-9	1	1	*5							
82	5-Amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-ethylsulfinyl-1H-pyrazole-3-carbonitrile (Ethiprole)	181587-01-9	1	0.1	*4							
83	5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole (Fipronil)	120068-37-3	1	0.1	*4							
84	2-Amino-4,6-dinitrophenol	96-91-3	1	1	*5							
85	N-Phenyl-1,4-benzenediamine	101-54-2	1	0.1	*4				●	●		1
86	4-Amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one (Metribuzin)	21087-64-9	1	1	*3							
87	3-Amino-1H-1,2,4-triazole (Amitrole)	61-82-5	1	0.1	*3	◆0.2mg/m^3 (8hrs)			●	●		1
88	Picloram	1918-02-1	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
89	Melphalan	148-82-3	0.1	0.1	*3		1A					
90	Thyroxine	51-48-9	1	0.1	*5							
91	4-Amino-1-[(2R,5S)-5-(hydroxymethyl)oxolan-2-yl］pyrimidine-2-one (Zalcitabine)	7481-89-2	1	0.1	*4							
92	4-(hydroxymethylphosphinyl)-L-2-aminobutanoyl-L-alanyl-L-alanine	35597-43-4	1	1	*5							
93	4-[(Hydroxy)(methyl)phosphinyl]-L-Abu-L-Ala-L-Ala-ONa	71048-99-2	1	0.1	*4				●			1
94	2-Amino-4-[hydroxy(methyl)phosphinoyl]butyric acid (Glufosinate)	51276-47-2	0.3	0.1	*3							
	2-Amino-4-[hydroxy(methyl)phosphoryl]butanoic acid,ammonium salt (Glufosinate-ammonium)	77182-82-2	0.3	0.1	*3							
95	2-Aminopyridine	504-29-0	1	1	*3							
96	4-Aminopyridine	504-24-5	1	1	*4							
97	Aminophylline	317-34-0	1	0.1	*4				●			1
98	3-Amino-1-propanol	156-87-6	1	1	*4				●			1
99	Inner salt of N-cocoacyl derivatives of (3-aminopropan-1-yl)(carboxymethyl)dimethylammonium	61789-40-0	1	0.1	*4				●eye			1
100	1-Amino-2-propanol	78-96-6	1	1	*4				●			1
101	3-Aminopropyltriethoxysilane	919-30-2	1	0.1	*4				●			1
102	3-Amino-1-propene (Allylamine)	107-11-9	1	1	*3				●	●		1
103	5-Azacytidine	320-67-2	0.1	0.1	*3		1B					
104	2-Aminobenzenethiol	137-07-5	1	1	*5							
105	Isophoronediamine	2855-13-2	1	0.1	*4				●			1
106	(4-Ammonio-m-tolyl)ethyl(2-hydroxyethyl)ammonium sulphate (4-(N-ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine sulphate)	25646-77-9	1	1	*5							
107	N-(2-(4Aamino-N-ethyl-m-toluidino)ethyl)methanesulphonamide sesquisulphate; 4-(N-ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	25646-71-3	1	1	*5							
108	4-Amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one (Metamitron)	41394-05-2	1	1	*5							
109	2-Methyl-5-aminophenol	2835-95-2	1	0.1	*4				●			1
110	2-Amino-2-methylpropanol	124-68-5	1	1	*4				●eye			1
111	Sodium hydrogen sulfite (34% aqueous solution)	7631-90-5	1	1	*3							
112	Aramite	140-57-8	1	0.1	*5							
113	Allyl alcohol	107-18-6	1	1	*3	◆0.5ppm (8hrs)				●		1
114	1-Allyloxy-2,3-epoxypropane (Allyl glycidyl ether)	106-92-3	1	0.1	*3	◇1ppm (8hrs)			●	●		1
115	(RS)-1-(beta-Allyloxy-2,4-dichlorophenethyl)imidazole (Imazalil)	35554-44-0	1	0.1	*5							
116	4-Allyl-1,2-dimethoxybenzene	93-15-2	0.1	0.1	*3		1B					
117	Allyl propyl disulphide	2179-59-1	1	0.1	*3	◆1ppm (short term)			●			1
118	Allyl hexanoate	123-68-2	1	1	*5							
119	Allyl heptanoate	142-19-8	1	1	*5							
120	Eugenol	97-53-0	1	0.1	*4				●			1
121	Phosphorous acid	13598-36-2	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
122	Dimethyl phosphite	868-85-9	1	1	*4							
123	Triethyl phosphite	122-52-1	1	0.1	*4				●			1
124	Triphenyl phosphite	101-02-0	1	1	*5							
125	Trimethyl phosphite	121-45-9	0.3	0.1	*3							
126	Alkanolammonium 2,4-dinitro-6-(1-methylpropyl)-phenolate	8048-12-2	1	1	*5							
127	Alcohol (Limited to those with carbon number from 10 to 16) and its mixtures	67762-41-8	1	1	*5							
	Isodecanol (Isodecyl alcohol) (Alcohol; Limited to those with carbon number from 10 to 16) and its mixtures	25339-17-7	1	1	*5							
	Undecan-1-ol (Alcohol; Limited to those with carbon number from 10 to 16) and its mixtures	112-42-5	1	1	*5							
	Decan-1-ol (Alcohol; Limited to those with carbon number from 10 to 16) and its mixtures	112-30-1	1	1	*5							
	Tetradecan-1-ol (Alcohol; Limited to those with carbon number from 10 to 16) and its mixtures	112-72-1	1	1	*5							
128	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	1	0.1	*4				●			1
129	Sodium alkyl sulfate (alkyl C=16-18)	68955-20-4	1	1	*5							
130	Argon (limited to high pressure gas)	7440-37-1	1	1	*5							
131	Chlormadinone acetate	302-22-7	0.3	0.1	*3							
132	Warfarin	81-81-2	0.3	0.1	*3	◆0.01mg/m^3 (8hrs)				●		0.3
133	alpha, alpha, alpha-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (Trifluralin)	1582-09-8	1	0.1	*4				●			1
134	Benzylidene dichloride	98-87-3	0.1	0.1	*3		1B					
135	Alpha-cyano-3-phenoxybenzyl N-(2-chloro-alpha,alpha,alpha-trifluoro-p-tolyl)-D-valinate (Fluvalinate)	102851-06-9	1	0.1	*4				●			1
136	alpha-Cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate; Fenvalerate	51630-58-1	1	0.1	*4				●			1
137	Esfenvalerate	66230-04-4	1	0.1	*4				●			1
138	alpha-Cyano-3-phenoxybenzyl 2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate (Cycloprothrin)	63935-38-6	1	0.1	*4				●			1
139	alpha-Cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin) *Including alpha-Cypermethrin and zeta-Cypermethrin	52315-07-8	1	1	*4				●			1
140	(S)-alpha-Cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethyl-cis-cyclopropanecarboxylate (Alpha-Cypermethrin)	67375-30-8	1	1	*4				●eye			1
141	alpha-Ccyano-3-phenoxybenzyl 2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate	66841-25-6	1	1	*4							
142	alpha-Cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate (Fenpropathrin)	39515-41-8	1	0.1	*5							
143	alpha-Cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cyfluthrin)	68359-37-5	1	0.1	*4							
144	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene (alpha-Pinene)	80-56-8	1	0.1	*4				●			1
145	alpha-Methylstyrene	98-83-9	1	0.1	*3	◇10ppm (8hrs)						
146	Aluminium tri-sec-butoxide	2269-22-9	1	1	*5							
147	Benzoic acid	65-85-0	1	0.1	*4				●	●		1
148	Benzyl benzoate	120-51-4	1	1	*5							
149	Methyl benzoate	93-58-3	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
150	Anthracene	120-12-7	0.1	0.1	*3		1B		●			1
151	9,10-Anthraquinone	84-65-1	1	0.1	*5							
152	Ammonia	7664-41-7	0.2	0.1	*3						●	1
153	Sulfur	7704-34-9	1	1	*4							
154	Asbestos (Order for Industrial Safety and Health Act, Article 16(1)(iv))	*2	0.1	0.1	*3	▼5μm or longer 0.15 fiber/cm^3						
155	Isooctanol	26952-21-6	1	1	*5					●		1
156	Isoquinoline	119-65-3	1	1	*5							
157	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	4098-71-9	1	0.1	*3	◆0.005ppm (8hrs)			●			1
158	3,4-Dichlorophenyl isocyanate	102-36-3	1	1	*3				●eye			1
159	Methyl isocyanate	624-83-9	0.3	0.1	*3	◆0.02ppm (8hrs), 0.04ppm (short term)			●	●		0.3
160	Allyl isothiocyanate	57-06-7	1	0.1	*4				●			1
161	Isoniazid	54-85-3	1	0.1	*4							
162	Isophthaloyl dichloride	99-63-8	1	1	*5							
163	Isobutyraldehyde	78-84-2	1	1	*5							
164	Isobutylbenzene	538-93-2	1	1	*5							
165	Propanenitrile, 2-methyl-	78-82-0	1	1	*5							
166	2-Isobutoxyethanol	4439-24-1	1	1	*4							
167	Isoprene	78-79-5	1	0.1	*3	◇3ppm (8hrs)						
168	Bisphenol A	80-05-7	0.3	0.1	*3				●			1
169	Polycondensate of 4,4'-isopropylidenediphenol and 1-chloro-2,3-epoxypropane (limited to liquid)	25068-38-6	1	0.1	*4				●			1
170	N-Isopropylacrylamide	2210-25-5	1	1	*5							
171	Aniline, N-(1-methylethyl)-	768-52-5	1	0.1	*3					●		1
172	4-Isopropylaniline	99-88-7	1	0.1	*4				●			1
173	N-Isopropylaminophosphoric acid ethyl(3-methyl-4-methylthiophenyl)ester, (Fenamiphos)	22224-92-6	1	0.1	*3					●		1
174	Isopropylamine	75-31-0	1	1	*3	◆2ppm (8hrs)			●	●		1
175	Isopropyl ether	108-20-3	1	1	*3	◆250ppm (8hrs), 500ppm (short term)						
176	Isopropyl (3-chlorophenyl)carbamate (Chlorpropham)	101-21-3	1	0.1	*4							
177	N-Isopropyl-N'-phenyl-p-phenylenediamine	101-72-4	1	0.1	*4				●			1
178	1-Isopropyl-4-methylcyclohexane (p-Menthane)	99-82-1	1	1	*5							
179	(1R,2S,5R)-2-Isopropyl-5-methylcyclohexan-1-ol	2216-51-5	1	1	*5							
180	Thymol	89-83-8	1	1	*4				●			1
181	Isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate (Bifenazate)	149877-41-8	1	1	*4				●			1
182	Isopentyl alcohol	123-51-3	1	1	*3	▼100ppm			●eye			1
183	Isophorone (alpha-Isophorone)	78-59-1	1	0.1	*3	◇5ppm (short term)						
184	Disulfur dichloride	10025-67-9	1	1	*3				●			1
185	Carbon monoxide	630-08-0	0.3	0.1	*3						●	1
186	Nitrogen monoxide	10102-43-9	1	1	*3							
187	Dinitrogen oxide (Nitrous oxide)	10024-97-2	0.3	0.1	*3	◇100ppm (8hrs)						
188	epsilon-Caprolactam	105-60-2	1	0.1	*3	◇5mg/m^3 (8hrs)						
189	Ibuprofen	15687-27-1	0.3	0.1	*3							
190	2-Imidazolidinethione (Ethylenethiourea)	96-45-7	0.3	0.1	*3				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
191	Imidazole	288-32-4	1	0.1	*4				●			1
192	1,1'-[Iminodi(octamethylene)]diguanidine (Iminoctadine)	13516-27-3	1	1	*5							
193	4,4'-(4-Iminocyclohexa-2,5-dienylidenemethyl)dianiline hydrochloride (Basic Red 9)	569-61-9	1	0.1	*3							
194	Guanylnitrosaminoguanyltetrazene	109-27-3	1	1	*5							
195	3,3'-Iminodi(propylamine)	56-18-8	1	1	*4				●			1
196	Indeno[1,2,3-cd]pyrene	193-39-5	1	0.1	*5					●		1
197	Indene	95-13-6	1	1	*3							
198	Indole	120-72-9	1	1	*5							
199	Pindolol	13523-86-9	1	0.1	*4							
200	Indole-3-butyric acid	133-32-4	1	1	*5							
201	Urethane	51-79-6	0.1	0.1	*3		1B					
202	n-Undecane	1120-21-4	1	1	*4							
203	Undecylbenzenesulfonic acid (C11)	50854-94-9	1	1	*5							
	Ammonium undecylbenzenesulfonate (C11)	61931-75-7	1	1	*5							
	Sodium undecylbenzenesulfonate (C11)	27636-75-5	1	1	*5							
204	10-Undecenal	112-45-8	1	1	*5							
205	Ethanol	64-17-5	0.1	0.1	*3							
206	Ethane	74-84-0	1	1	*5							
207	Ethanethiol (Ethyl mercaptan)	75-08-1	1	1	*3							
208	5-Ethylidene-2-norbornene (Ethylidene norbornene)	16219-75-3	1	0.1	*3	◇2ppm (8hrs), 4ppm (short term)			●			1
209	N-Ethylaniline	103-69-5	1	1	*4							
210	2-Ethylamino-4-isopropylamino-6-methylthio-1,3,5-triazine (Ametryn)	834-12-8	1	0.1	*5							
211	Ethylamine	75-04-7	1	1	*3	◆5ppm(8hrs)			●	●		1
212	O-Ethyl O-2-(isopropoxycarbonyl)phenyl N-isopropylphosphoramidothioate	25311-71-1	1	0.1	*3							
213	Isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]crotonate (Propetamphos)	31218-83-4	1	0.1	*4							
214	Diethyl ether	60-29-7	1	0.1	*3	▼400ppm						
215	Ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate (Quizalofop-ethyl)	76578-14-8	1	1	*5							
216	Carfentrazone-ethyl	128639-02-1	1	1	*5							
217	S-Ethyl 2-(4-chloro-2-methylphenoxy)thioacetate	25319-90-8	1	1	*5							
218	Ethyl-N-(diethyldithiophosphorylacetyl)-N-methylcarbamate (Mecarbam)	2595-54-2	1	1	*5							
219	Pyrazophos	13457-18-6	1	1	*4							
220	Ethylcyclohexane	1678-91-7	1	1	*4							
221	Phosphonothioic acid, phenyl-, O-(2,4-dichlorophenyl) O-ethyl ester	3792-59-4	1	1	*5							
222	Oxolinic acid	14698-29-4	1	1	*5							
223	O-ethyl-S,S-dipropyl phosphorodithioate (Ethoprophos)	13194-48-4	0.1	0.1	*3		1B			●		0.1
224	2-Ethyl-3,5-dimethylpyrazine	13925-07-0	1	1	*5							
225	Ethyl sec-pentyl ketone	541-85-5	1	1	*3	◆10ppm (8hrs)						
226	Ethiofencarb	29973-13-5	1	1	*5							
227	Ethyltriacetoxysilane	17689-77-9	1	1	*4				●			1
228	N-Ethyl-N-nitrosourea	759-73-9	0.1	0.1	*3		1B					

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
229	O-Ethyl O-(6-nitro-m-tolyl) sec-butylphosphoramidothioate (Butamifos)	36335-67-8	1	1	*4							
230	O-Ethyl O-4-nitrophenyl phenyl phosphonothioate (EPN)	2104-64-5	1	0.1	*3	◆0.1mg/m^3 (8hrs)				●		1
231	4-Ethylbiphenyl	5707-44-8	1	0.1	*5							
232	1-Ethylpyrrolidin-2-one	2687-91-4	0.3	0.1	*3							
233	O-Ethyl S-phenyl ethylphosphonothiolothionate (fonofos)	944-22-9	1	0.1	*3					●		1
234	Ethyl 3-phenylcarbamoyloxycarbanilate (Desmedipham)	13684-56-5	1	1	*5							
235	Phenobarbital	50-06-6	0.1	0.1	*3							
236	2-Ethylphenol	90-00-6	1	1	*5							
237	3-Ethylphenol	620-17-7	1	1	*5							
238	2-Ethylbutanoic acid	88-09-5	1	0.1	*4				●eye			1
239	N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine (Pendimethalin)	40487-42-1	1	0.1	*4							
240	2-Ethylhexanoyl chloride	760-67-8	1	1	*4				●			1
241	2-Ethyl-1-hexanol	104-76-7	1	0.1	*5							
242	S-Ethyl hexahydro-1H-azepine-1-carbothioate (Molinate)	2212-67-1	0.3	0.1	*3							
243	2-Ethylhexanoic acid	149-57-5	0.3	0.1	*3	◇5mg/m^3 (8hrs)			●			1
244	2-Ethylhexane-1,3-diol (Octanediol)	94-96-2	1	0.1	*5							
245	2-Ethylhexylamine	104-75-6	1	1	*4				●			1
246	Alanycarb	83130-01-2	1	1	*4							
247	Ethylbenzene	100-41-4	0.3	0.1	*3	▼20ppm		●			●	1
248	N-Ethyl-m-toluidine	102-27-2	1	1	*4							
249	N-Ethyl-2-methylaniline	94-68-8	1	1	*5							
250	Pilocarpine	92-13-7	1	1	*3					●		1
251	N-Ethyl-O-methyl-O-(2-chloro-4-methylmercaptophenyl)-phosphoramido thioate	54381-26-9	1	1	*5							
252	Ethyl methyl ketone peroxide	1338-23-4	1	1	*3				●eye			1
253	5-Ethyl-2-methylpyridine	104-90-5	1	0.1	*4				●			1
254	N-[3-(1-Ethyl-1-methylpropyl)-1,2-oxazol-5-yl]-2,6-dimethoxybenzamide	82558-50-7	1	0.1	*5							
255	Fosthiazate	98886-44-3	0.3	0.1	*3				●			1
256	4-(Ethylthio)phenyl N-methylcarbamate	18809-57-9	1	1	*5							
257	N-Ethylmorpholine	100-74-3	1	1	*3				●	●		1
258	Ethylene	74-85-1	1	1	*3							
259	Ethyleneimine (Aziridine (with stabilizer))	151-56-4	0.1	0.1	*3	▼0.05ppm		●			●	1
260	Ethylene oxide	75-21-8	0.1	0.1	*3	▼1ppm		●			●	1
261	Ethylene glycol	107-21-1	1	1	*3	◇10ppm (8hrs), 50ppm (short term)				●		1
262	1,2-Diethoxyethane (Ethylene glycol diethyl ether)	629-14-1	0.3	0.1	*3							
263	Ethylene glycol monoisopropyl ether	109-59-1	1	1	*3							
264	Ethylene glycol monoethyl ether	110-80-5	0.3	0.1	*3	▼5ppm				●		0.3
265	Ethyleneglycol monoethyl ether acetate (2-Ethoxyethyl acetate, Cellosolve acetate)	111-15-9	0.3	0.1	*3	▼5ppm				●		0.3
266	Ethylene glycol mono-n-butyl ether (Butyl cellosolve)	111-76-2	1	0.1	*3	▼25ppm				●		1
267	Ethylene glycol monobutyl ether acetate (2-Butyoxyethyl acetate or EGBEA)	112-07-2	1	1	*3	◆20ppm (8hrs)				●		1
268	2-Propoxyethanol	2807-30-9	1	1	*4					●		1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
269	Ethylene glycol monobenzyl ether	622-08-2	1	1	*4				●eye			1
270	Ethylene glycol monomethyl ether	109-86-4	0.3	0.1	*3	▼0.1ppm				●		0.3
271	Ethylene glycol monomethyl ether acetate	110-49-6	0.3	0.1	*3	◆1ppm (8hrs)				●		0.3
272	Ethylene chlorohydrin	107-07-3	1	1	*3	◇2ppm (8hrs)				●		1
273	Ethylenediamine	107-15-3	1	0.1	*3	◆10ppm (8hrs)			●	●		1
274	Ethylenediaminetetraacetic acid	60-00-4	1	0.1	*4							
275	Tetrasodium ethylenediaminetetraacetate	64-02-8	1	1	*5							
276	Ethylene dimethacrylate	97-90-5	1	0.1	*4				●			1
277	Ethylene sulfide	420-12-2	1	1	*4							
278	Zinc N,N'-ethylenebis(dithiocarbamate) (Zineb)	12122-67-7	1	0.1	*4				●			1
279	Manganese N,N'-ethylenebis(dithiocarbamate) (Maneb)	12427-38-2	0.3	0.1	*3				●			1
280	Complex compounds of manganese N,N'-ethylenebis(dithiocarbamate) and zinc N,N'-ethylenebis(dithiocarbamate) (Manzeb)	8018-01-7	1	0.1	*4							
281	1,1'-Ethylene-2,2'-bipyridinium dibromide (Diquat)	85-00-7	1	0.1	*3					●		1
282	Ethyl vinyl ether	109-92-2	1	1	*5							
283	6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline (Ethoxyquin)	91-53-2	1	0.1	*4				●			1
284	2-Ethoxy-2,2'-dimethylethane (Ethyl tert-butyl ether (ETBE))	637-92-3	1	1	*3							
285	5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole	2593-15-9	1	1	*5				●			1
286	2-(4-Ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether (Ethofenprox)	80844-07-1	1	1	*3							
287	Propylene glycol monoethyl ether (1-Ethoxy-2-propanol)	1569-02-4	1	1	*5					●		1
288	Propylene glycol monoethyl ether	52125-53-8	1	1	*5							
289	Ethyl 3-ethoxypropanoate	763-69-9	1	1	*5					●		1
290	Ethoxybenzene (Phenetole)	103-73-1	1	1	*5							
291	Epichlorohydrin	106-89-8	0.1	0.1	*3	◇0.5ppm (8hrs)	1B		●	●		0.1
292	Ephedrine	299-42-3	0.3	0.1	*3							
293	1,2-Epoxy-3-isopropoxypropane	4016-14-2	1	1	*3							
294	1,2-Epoxy-3-(tolyloxy)propane	26447-14-3	1	0.1	*4				●			1
295	2,3-Epoxy-1-propanal	765-34-4	1	0.1	*3							
296	Oxiran-2-ylmethanol (Glycidol, 2,3-Epoxy-1-propanol)	556-52-5	0.1	0.1	*3	★	1B；57044-25-4 (R-2,3-Epoxy-1-propanol) included			●		0.1
297	2,3-Epoxypropyl phenyl ether (Phenyl glycidyl ether)	122-60-1	1	0.1	*3	◆0.1ppm (8hrs)			●	●		1
298	Emamectin benzoate	155569-91-8	1	0.1	*4				●eye			1
299	Emery	1302-74-5	1	1	*3							
300	Erionite	12510-42-8	0.1	0.1	*3		1A					
301	Zinc chloride	7646-85-7	1	1	*3				●			1
302	Acryloyl chloride	814-68-6	1	1	*3							
303	Allyl chloride	107-05-1	1	0.1	*3	◇1ppm (8hrs)			●	●		0.1
304	Ammonium chloride	12125-02-9	1	1	*3							
305	Calcium chloride	10043-52-4	1	1	*4				●eye			1
306	Gold trichloride	13453-07-1	1	0.1	*4				●			1
307	Chlorauric acid	16903-35-8	1	1	*4				●			1
308	Cyanogen chloride	506-77-4	1	1	*3				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
309	Hydrogen chloride	7647-01-0	0.2	0.1	*3						●	1
310	Strontium chloride	10476-85-4	1	1	*5							
311	Sulfuryl chloride	7791-25-5	1	1	*4				●			1
312	Thionyl dichloride	7719-09-7	1	1	*3				●			1
313	Vanadium trichloride	7718-98-1	1	1	*4				●			1
314	Vanadium(IV) chloride	7632-51-1	1	1	*4				●			1
315	Chloroalkane(C10-13)	85535-84-8	1	0.1	*5							
316	Chloroethylene (Vinyl chloride, Vinyl chloride monomer)	75-01-4	0.1	0.1	*3	▼2ppm		●			●	1
317	Propanoyl chloride	79-03-8	1	1	*5							
318	Benzalkonium chloride	8001-54-5	1	0.1	*4				●			1
319	Benzyl chloride	100-44-7	0.1	0.1	*3	★	1B		●			1
320	Benzenesulfonyl chloride	98-09-9	1	1	*4				●			1
321	Benzoyl chloride	98-88-4	1	0.1	*3				●			1
322	Phosphoryl chloride	10025-87-3	1	1	*3	◆0.6mg/m^3 (8hrs)			●			1
323	Lithium chloride	7447-41-8	1	0.1	*5							
324	[Phthalato(2-)]oxodilead	57142-78-6	0.1	0.1	*3		1B					
325	Hydroxylammonium chloride	5470-11-1	1	0.1	*4				●			1
326	Chlorine	7782-50-5	1	1	*3	▼0.5ppm					●	1
327	Toxaphene	8001-35-2	1	0.1	*3					●		1
328	o-Chlorinated diphenyl oxide	31242-93-0	1	1	*3					●		1
329	Polychlorinated terphenyls	61788-33-8	1	1	*5							
330	Chloric acid (aqueous solution)	7790-93-4	1	1	*5							
	Ammonium chlorate	10192-29-7	1	1	*5							
	Potassium chlorate	3811-04-9	1	1	*5							
	Sodium chlorate	7775-09-9	1	1	*5							
331	Phosphorus (yellow)	12185-10-3	1	0.1	*3				●			1
332	Endothal	145-73-3	1	1	*4							
333	Vanadium trichloride oxide	7727-18-6	1	1	*4				●			1
334	Diethylene glycol bis(allyl carbonate)	142-22-3	1	0.1	*5							
335	2,2'-Oxydiethyl bis(chloroformate)	106-75-2	1	1	*4				●eye			1
336	2,2'-Oxydiethyl diacrylate (Diethylene glycol diacrylate)	4074-88-8	1	0.1	*4				●			1
337	3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434-86-8	1	0.1	*3							
338	Sulfotep	3689-24-5	1	0.1	*3					●		1
339	4,4'-Oxybisbenzenesulfonylhydrazide	80-51-3	1	1	*3							
340	Decabromo-1,1'-oxybis(benzene) (Decabromodiphenyl ether)	1163-19-5	0.3	0.1	*3							
341	Tetrasodium oxybisphosphonate	7722-88-5	1	1	*3							
342	(S)-Glycidyl 4-methylbenzenesulfonate	70987-78-9	1	1	*5							
343	Glycidamide	5694-00-8	0.1	0.1	*3		1B					
344	Isobenzan	297-78-9	1	0.1	*3					●		1
345	Octachlorostyrene	29082-74-4	1	1	*4							
346	Octachloronaphthalene	2234-13-1	1	1	*3					●		1
347	1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene (Chlordane)	57-74-9	0.3	0.1	*3	◆0.5mg/m^3 (8hrs)				●		0.3
348	1,7-Octadiene	3710-30-3	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
349	(Z)-9-Octadecen-1-amine (Oleylamine)	112-90-3	1	1	*4				●			1
350	Octadecylamine (Monostearylamine)	124-30-1	1	1	*5							
351	1-Octanal	124-13-0	1	1	*5							
352	1-Octanol	111-87-5	1	1	*4							
353	2-Octanol	123-96-6	1	1	*3							
354	2-Octanone	111-13-7	1	1	*5							
355	Cyclotetramethylenetetranitramine	2691-41-0	1	1	*4							
356	Octafluorocyclobutane (limited to hight pressure gas)	115-25-3	1	1	*5							
357	Octafluoropropane (limited to hight pressure gas)	76-19-7	1	1	*5							
358	Octabromodiphenyl ether	32536-52-0, others	0.3	0.1	*3							
359	2,2,4,4,6,6,8,8-Octamethylcyclotetrasiloxane	556-67-2	1	0.1	*5							
360	Octamethylpyrophosphoramide	152-16-9	1	1	*3							
361	n-Octane	111-65-9, others	1	1	*3 (Alkyl isomers included)							
362	Octan-3-one (Ethyl amyl ketone)	106-68-3	1	1	*5							
363	Methyl octanoate	111-11-5	1	1	*5							
364	Octane-1-thiol (n-Octyl mercaptan)	111-88-6	1	1	*5							
365	1-Octanamine	111-86-4	1	1	*3				●			1
366	2-n-Octyl-4-isothiazolin-3-one	26530-20-1	1	0.1	*4				●	●		1
367	Oct-1-ene (1-Octene)	111-66-0	1	1	*4							
368	1-Octen-3-ol	3391-86-4	1	1	*5							
369	Ozone	10028-15-6	1	0.1	*3	◆0.1ppm (short term)						
370	2-Chloroacetophenone	532-27-4	1	0.1	*3				●			1
371	4,4'-Carbonimidoylbis[N,N-dimethylaniline]	492-80-8	1	0.1	*3			●			●	1
372	o-Anisidine	90-04-0	1	0.1	*3	◇0.1ppm (8hrs)			●	●		0.1
373	o-Aminophenol	95-55-6	1	0.1	*4				●			1
374	Methyl orthoformate	149-73-5	1	1	*5							
375	o-chlorostyrene	2039-87-4	1	1	*3							
376	o-Chlorotoluene	95-49-8	1	1	*3							
377	o-sec-Butylphenol	89-72-5	1	1	*3				●	●		1
378	2-Nitroanisole	91-23-6	1	0.1	*3							
379	o-Nitroaniline	88-74-4	1	0.1	*5							
380	o-Nitrophenol	88-75-5	1	0.1	*4							
381	Phthalaldehyde	643-79-8	1	0.1	*4				●	●		1
382	Phthalonitrile	91-15-6	1	1	*3	▼0.01mg/m^3					●	1
383	o-Bromotoluene	95-46-5	1	1	*5							
384	o-Bromophenol	95-56-7	1	1	*5							
385	o-Methylbenzyl chloride	552-45-4	1	1	*5							
386	Oleamide	301-02-0	1	1	*5							
387	Orotic acid	65-86-1	1	1	*5							
388	Perchloric acid	7601-90-3	1	0.1	*4				●			1
389	Ammonium perchlorate	7790-98-9	1	1	*5							
	Potassium perchlorate	7778-74-7	1	1	*5							
	Sodium perchlorate	7601-89-0	1	1	*5							
	Magnesium perchlorate	10034-81-8	1	1	*5							
390	Peroxyacetic acid	79-21-0	1	1	*3				●			1
391	tert-Butyl peracetate	107-71-1	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
392	Zinc peroxide	1314-22-3	1	1	*5							
393	Dipotassium peroxide	17014-71-0	1	1	*5							
394	Calcium peroxide	1305-79-9	1	1	*4				●eye			1
395	Hydrogen peroxide	7722-84-1	1	0.1	*3	◆0.5ppm (8hrs)			●			1
396	Strontium peroxide	1314-18-7	1	1	*5							
397	Disodium peroxide	1313-60-6	1	1	*4				●			1
398	Hydrogen peroxide--urea	124-43-6	1	1	*4				●eye			1
399	Barium peroxide	1304-29-6	1	1	*4							
400	Gasoline	8006-61-9	1	0.1	*3							
401	Catechol (Pyrocatechol)	120-80-9	1	0.1	*3				●	●		0.1
402	Sodium perborate	7632-04-4	1	0.1	*4	◇Limited to Sodium perborate tetrahydrate (10486-00-7): 0.1mg/m^3 (8hrs), 0.75mg/m^3 (short term) as Boron			●eye			1
	Sodium perborate monohydrate	10332-33-9	1	0.1	*4				●eye			1
	Sodium perborate tetrahydrate	10486-00-7	1	0.1	*4				●eye			1
403	Carbon black	1333-86-4	1	0.1	*3	◆0.3mg/m^3 (8hrs) as respirable dust						
404	Potassium (Z)-oleate	143-18-0	1	1	*5							
405	Potassium 2,4-dinitrophenolate	14314-69-3	1	1	*5							
406	Sodium potassium alloys	11135-81-2	1	1	*4				●			1
407	Calcium	7440-70-2	1	1	*4				●			1
408	Calcium cyanamide	156-62-7	1	0.1	*3				●	●		1
409	Carbazole	86-74-8	1	0.1	*5							
410	1-Carbamoyloxy-2-hydroxy-3-(2'-methoxyphenyloxy)propane	532-03-6	1	1	*5							
411	Rhodamine B	81-88-9	1	1	*5							
412	gamma-Butyrolactone	96-48-0	1	1	*5							
413	Formic acid	64-18-6	1	1	*3				●			1
414	Isobutyl formate	542-55-2	1	1	*5							
415	Isoamyl formate	110-45-2	1	1	*5							
416	Ethyl formate	109-94-4	1	1	*3							
417	pentyl formate	638-49-3	1	1	*5							
418	Methyl formate	107-31-3	1	1	*3	◆50ppm (8hrs), 100ppm (short term)				●		1
419	Xylidine	1300-73-8	1	0.1	*3	◇0.5ppm (8hrs)				●		1
	2,3-Dimethylaniline	87-59-2	1	0.1	*3					●		1
	2,4-Dimethylaniline	95-68-1	1	0.1	*3					●		1
	2,5-Dimethylaniline	95-78-3	1	0.1	*3					●		1
	2,6-Dimethylaniline	87-62-7	1	0.1	*3					●		1
	3,4-Dimethylaniline	95-64-7	1	0.1	*3					●		1
	3,5-Dimethylaniline	108-69-0	1	0.1	*3					●		1
420	2.3-xylenol (2,3-Dimethylphenol)	526-75-0	1	0.1	*4				●			1
421	2,4-Xylenol	105-67-9	1	1	*4				●			1
422	2,5-Xylenol (2,5-Dimethylphenol)	95-87-4	1	0.1	*4				●			1
423	2,6-Xylenol	576-26-1	1	1	*4				●			1
424	3,4-Xylenol (3,4-Dimethylphenol)	95-65-8	1	0.1	*4				●			1
425	3,5-Xylenol (3,5-Dimethylphenol)	108-68-9	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
426	Xylene	1330-20-7	0.3	0.1	*3	▼50ppm				●		0.3
	o-Xylene	95-47-6	0.3	0.1	*3					●		1
	m-Xylene	108-38-3	0.3	0.1	*3					●		1
	p-Xylene	106-42-3	0.3	0.1	*3					●		1
427	Quinoline	91-22-5	0.1	0.1	*3		1B					
	Quinoline hydrochloride	530-64-3	0.1	0.1	*3							
428	Chymotrypsin	9004-07-3	1	0.1	*4				●			1
429	Potassium	7440-09-7	1	1	*4				●			1
430	Sodium	7440-23-5	1	1	*4				●			1
431	Lithium	7439-93-2	1	1	*4				●			1
432	Silver picrate	146-84-9	1	1	*5							
433	Guanidine	113-00-8	1	1	*4				●			1
434	Guanidinium chloride (Guanadine hydrochloride)	50-01-1	1	1	*5							
	Guanidinium nitrate	506-93-4	1	1	*5							
	Guanidine carbonate	593-85-1	1	1	*5							
435	Coumarin	91-64-5	1	1	*5							
436	Cuminaldehyde	122-03-2	1	1	*5							
437	Cumene	98-82-8	1	0.1	*3	◇10ppm (8hrs)						
438	Glyoxal	107-22-2	1	0.1	*4				●	●		1
439	Glyoxylic acid	298-12-4	1	1	*5				●			1
440	Hydroxyacetic acid	79-14-1	1	0.1	*4				●			1
441	Chrycene	218-01-9	1	0.1	*5					●		0.1
442	N-(Phosphonomethyl)glycine (Glyphosate)	1071-83-6	1	1	*4				●eye			1
443	Glutaraldehyde	111-30-8	1	0.1	*3	◇0.03ppm (short term)			●			1
444	Creosote oil (A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200degC)	61789-28-4	0.1	0.1	*3		1B；8001-58-9 (Creosote), 61789-28-4 (Creosote oil)		●8001-58-9 (Creosote)			
445	Cresol	1319-77-3	1	0.1	*3	▼5ppm			●	●		1
	o-Cresol	95-48-7	1	0.1	*3				●	●		1
	m-Cresol	108-39-4	1	0.1	*3				●	●		1
	p-Cresol	106-44-5	1	0.1	*3				●	●		1
446	Crotonic acid	3724-65-0	1	1	*5							
447	3-(3-Chloro-4-(chlorodifluoromethyl)thiophenyl)-1,1-dimethylurea	33439-45-1	1	1	*5							
448	2-Chloro-1-(2,4-dichlorophenyl)vinyl dimethyl phosphate (Dimethylvinphos)	2274-67-1	1	1	*5							
449	Carbanolate	671-04-5	1	1	*5							
450	Chlorosulfonic acid	7790-94-5	1	1	*4				●			1
451	Chloroacetyl chloride	79-04-9	1	1	*3				●	●		1
452	Chloroacetamide	79-07-2	1	0.1	*4				●	●		1
453	Chloroacetaldehyde	107-20-0	1	0.1	*3				●			1
454	Chloroacetonitrile	107-14-2	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
455	2-Propanone, 1-chloro-	78-95-5	1	1	*3				●	●		1
456	o-Chloroaniline	95-51-2	1	0.1	*4					●		1
457	Sulfallate	95-06-7	1	0.1	*5							
458	Desethyl atrazine	6190-65-4	1	0.1	*5							
459	Chloroethane	75-00-3	1	0.1	*3	◇100ppm (8hrs)						
460	2-Chloroethanesulfonyl chloride	1622-32-8	1	1	*3							
461	Atrazine	1912-24-9	1	0.1	*3	◆2mg/m^3 (8hrs)			●			1
462	Cyanazine	21725-46-2	1	0.1	*5							
463	1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea, (CCNU)	13010-47-4	0.1	0.1	*3		1B					
464	(2-Chloroethyl)trimethylammonium chloride	999-81-5	1	1	*5							
465	1-(2-Chloroethyl)-1-nitroso-3-［(2R,3R,4S,5R)-3,4,5,6-tetrahydroxy-1-oxohexan-2-yl］urea (Chlorozotocin)	54749-90-5	0.1	0.1	*3		1B					
466	(2-Chloroethyl)benzene	622-24-2	1	1	*5							
467	Ethephon	16672-87-0	1	0.1	*4				●			1
468	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea	13909-09-6	0.1	0.1	*3		1A					
469	N-[4-(p-Tolyloxy)benzyl]-1-methyl-3-ethyl-4-chloro-1H-pyrazole-5-carboxamide (Tolfenpyrad)	129558-76-5	1	0.1	*4							
470	Phenoxybenzamine hydrochloride	63-92-3	1	0.1	*4				●			1
471	2-Chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide (Metolachlor)	51218-45-2	1	0.1	*4				●			1
472	5-Chloro-N-{2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl}-6-ethylpyrimidine-4-amine (Pylimidifen)	105779-78-0	1	0.1	*4				●			1
473	2-Chloro-N-(ethoxymethyl)-2'-ethyl-6'-methylacetanilide	34256-82-1	0.1	0.1	*3		1B					
474	1-Chlorooctane	111-85-3	1	1	*5							
475	2-(2,4,5-Trichlorophenoxy)propionic acid (Silvex)	93-65-2	1	0.1	*5							
476	4-chloro-o-phenylenediamine	95-83-0	1	0.1	*3							
477	Allyl chloroformate	2937-50-0	1	1	*5							
478	Isobutyl chlorocarbonate	543-27-1	1	1	*5							
479	Ethyl chloroformate	541-41-3	1	1	*3				●			1
480	Propyl chloroformate	109-61-5	1	1	*4				●			1
481	Benzyl chloroformate	501-53-1	1	1	*5							
482	3-Chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-alpha,alpha,alpha-trifluoro-2,6-dinitro-p-toluidine (Fluazinam)	79622-59-6	0.3	0.1	*3				●			1
483	1-({2-[2-Chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole (Difenoconazole)	119446-68-3	1	0.1	*5							
484	1-Chloro-2-(chloromethyl)benzene	611-19-8	1	1	*4							
485	Chloroacetic acid (Monochloroacetic acid)	79-11-8	1	1	*3	◆0.5ppm (8hrs)			●	●		1
486	Isopropyl chloroacetate	105-48-6	1	1	*5							
487	Ethyl chloroacetate	105-39-5	1	0.1	*4				●			1
488	Sodium chloroacetate	3926-62-3	1	0.1	*5							
489	Methyl chloroacetate	96-34-4	1	0.1	*4				●	●		1
490	2-Chloro-N-(2-cyanoethyl)acetamide	17756-81-9	1	1	*5							
491	2-Chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide (Pretilachlor)	51218-49-6	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
492	2-Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide (Alachlor)	15972-60-8	1	0.1	*4				●			1
493	Chlorocyclohexane	542-18-7	1	1	*5							
494	3-[4-Chloro-5-(cyclopentyloxy)-2-fluorophenyl]-5-(1-methylethylidene)-2,4-oxazolidinedione (Pentoxazone)	110956-75-7	1	0.1	*4				●			1
495	3-Chloro-4-dichloromethyl-5-hydroxy-2(5H)-furanone	77439-76-0	1	0.1	*4							
496	1-Chloro-2,4-dinitrobenzene	97-00-7	1	0.1	*4				●			1
497	1-Chloro-1,1-difluoroethane (HCFC-142b)	75-68-3	1	1	*5							
498	Chlorodifluoromethane	75-45-6	1	0.1	*3	◆1 000ppm (8hrs)						
499	2-Chloro-N-(2,4-dimethylthien-3-yl)-N-[(2S)-1-methoxypropan-2-yl]acetamide (Dimethenamide-P)	163515-14-8	1	0.1	*4				●			1
500	1-Chloro-3,3-dimethyl-2-butanone	13547-70-1	1	1	*4							
501	3-Chloro-N-[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]-1-methyl-4-(5-methyl-5,6-dihydro-1,4,2-dioxazin-3-yl)-1H-pyrazole-5-sulfonamide (Metazosulfuron)	868680-84-6	1	0.1	*5							
502	Phenyl chlorocarbonate	1885-14-9	1	1	*3							
503	2-Chloro-1,1,1,2-tetrafluoroethane	2837-89-0	1	1	*5							
504	2-Chloro-6-trichloromethylpyridine (Nitrapyrin)	1929-82-4	1	1	*3							
505	p-(Trichloromethyl)chlorobenzene (p-Chlorobenzotrichloride)	5216-25-1	0.1	0.1	*3		1B		●	●		0.1
506	1-Chloro-2,4,6-trinitrobenzene	88-88-0	1	0.1	*4				●			1
507	2-Chloro-1,1,1-trifluoroethane	75-88-7	0.3	0.1	*3							
508	2-Chloro-1,1,2-trifluoroethyl(difluoromethyl) ether (enflurane)	13838-16-9	1	0.1	*3	◆20ppm (8hrs)						
509	Chlorotrifluoroethylene	79-38-9	1	1	*5							
510	(RS)-1-[3-Chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea [novaluron]	116714-46-6	1	1	*4							
511	Chlorotrifluoromethane (CFC-13 (limited to high pressure gas))	75-72-9	1	1	*5							
512	Acifluorfen sodium salt	62476-59-9	1	0.1	*4							
513	Chlorotrimethylsilane	75-77-4	1	1	*4				●			1
514	3-Chlorotoluene	108-41-8	1	1	*5							
515	1-Chloronaphthalene	90-13-1	1	1	*5							
516	4-Chloro-2-nitroaniline	89-63-4	1	1	*5							
517	1-Chloro-1-nitropropane	600-25-9	1	1	*3							
518	o-Nitrochlorobenzene	88-73-3	0.1	0.1	*3		1B			●		0.1
519	Trichloronitromethane	76-06-2	1	1	*3	◇0.1ppm (short term)			●			1
520	Propazine	139-40-2	1	0.1	*5							
521	Simazine	122-34-9	1	0.1	*4							
522	3-Chloro-2-hydroxyprop-1-yl(trimethyl)aminium chlorode	3327-22-8	1	0.1	*5							
523	1-(2-Chloro-4-pyridyl)-3-phenylurea (Forchlorfenuron)	68157-60-8	1	0.1	*5							
524	1-(6-Chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylidenamine (Imidacloprid)	105827-78-9	1	1	*4							
525	2-Chloropyridine	109-09-1	1	1	*5							
526	Thiacloprid	111988-49-9	0.3	0.1	*3					●		0.3

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
527	(RS)-2-[2-(3-Chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione [indanofan]	133220-30-1	1	0.1	*4				●			1
528	(4-Chloor-but-2-yn-yl)-N-(3-chloor-fenyl)-carbamaat	101-27-9	1	0.1	*4				●			1
529	4-(2-Chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide (Fentrazamide)	158237-07-1	1	0.1	*4							
530	Hexythiazox (trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidine-carboxamide)	78587-05-0	1	1	*5							
531	3-(4-Chlorophenyl)-1,1-dimethylurea	150-68-5	1	1	*5							
532	2-(4-Chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile (Myclobutanil)	88671-89-0	1	0.1	*5							
533	Haloperidol	52-86-8	0.3	0.1	*3							
534	O-6-Chloro-3-phenyl-4-pyridazinyl S-n-octyl thiocarbonate (Pyridate)	55512-33-9	1	0.1	*4				●			1
535	4-(4-Chlorophenyl)-2-phenyl-2-[(1H-1,2,4-triazol-1-yl)methyl]butanenitrile	114369-43-6	1	0.1	*5							
536	4-Chlorophenoxyacetic Acid	122-88-3	1	1	*5							
537	Chlorophenol	25167-80-0	1	0.1	*3				●			1
	2-Chlorophenol	95-57-8	1	0.1	*3				●			1
	4-Chlorophenol	106-48-9	1	0.1	*3				●			1
538	2-Chloro-1,3-butadiene	126-99-8	1	0.1	*3					●		1
539	1-Chlorobutane (Butyl chloride)	109-69-3	1	0.1	*5							
540	1-Chloro-2-propanol	127-00-4	1	1	*3					●		1
541	2-Chloro-1-propanol	78-89-7	1	1	*3					●		1
542	1-Chloropropane	540-54-5	1	1	*5							
543	2-Chloropropane	75-29-6	1	1	*5							
544	3-Chloro-1,2-propanediol	96-24-2	0.3	0.1	*3							
545	beta-Chloropropiononitrile	542-76-7	1	1	*4							
546	2-Chloropropionic acid	598-78-7	1	1	*3				●	●		1
547	3-Chloropropionic acid	107-94-8	1	0.1	*4				●			1
548	Methyl 2-chloropropionate	17639-93-9	1	1	*5							
549	gamma-Chloropropyltrimethoxysilane	2530-87-2	1	1	*5							
550	Chlorhexidine	55-56-1	1	0.1	*4				●			1
551	2-Chlorobenzylidenemalononitrile	2698-41-1	1	0.1	*3				●			1
552	4-Chlorobenzyl N-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-yl)thioacetimidate	86598-92-7	1	0.1	*4				●			1
553	1-(2-Chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea [cumyluron]	99485-76-4	1	1	*4							
554	2-Chlorobenzaldehyde (o-Chlorobenzaldehyde)	89-98-5	1	1	*4				●			1
555	p-Chlorobenzaldehyde	104-88-1	1	1	*5							
556	Chlorobenzene	108-90-7	1	0.1	*3	▼10ppm						
557	Chloropentafluoroethane	76-15-3	1	1	*3							
558	3-Chloropentafluoro-1-propene	79-47-0	1	1	*4							
559	1-Chloropentane	543-59-9	1	1	*5							
560	Chloroform	67-66-3	1	0.1	*3	▼3ppm		●			●	1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
561	Chloromethane	74-87-3	0.3	0.1	*3					●		0.3
562	4-Chloro-o-toluidine	95-69-2	0.1	0.1	*3		1B			●Limited to 95-69-2 (4-chloro-o-toluidine)		0.1
	4-Chloro-o-toluidinium chloride	3165-93-3	0.1	0.1	*3							0.1
563	O-3-Chloro-4-methylcoumarin-7-yl O,O-diethyl phosphorothioate (Chlorpyrifos)	56-72-4	1	1	*3					●		1
564	1-(Chloromethyl)-4-nitrobenzene	100-14-1	1	1	*5							
565	Methyl [2-chloro-5-((E)-1-{[(6-methyl-2-pyridyl)methoxy]imino}ethyl)benzyl]carbamate (Pyribencarb)	799247-52-2	1	1	*5							
566	(4-Chloro-2-methylphenoxy)acetic acid	94-74-6	1	0.1	*5				●eye			1
567	4-(4-Chloro-o-tolyloxy) butyric acid	94-81-5	1	1	*5							
568	4-Chloro-o-cresol (4-Chloro-2-methyl phenol)	1570-64-5	1	1	*4				●			1
569	4-Chloro-3-methylphenol	59-50-7	1	0.1	*4				●			1
570	tert-Butyl chloride	507-20-0	1	1	*5							
571	1-Chloro-2-methylpropene	513-37-1	1	0.1	*3							
572	3-Chloro-2-methyl-1-propene	563-47-3	1	0.1	*4				●			1
573	Chloromethyl methyl ether	107-30-2	0.1	0.1	*3			●			●	1
574	2-chloro-N-(3-methoxy-2-thienyl)-2',6'-dimethylacetanilide	96491-05-3	1	0.1	*4				●			1
575	Silicon (powder, amorphous)	7440-21-3	1	1	*5							
576	Distillates (petroleum), straight-run middle	64741-44-2	1	0.1	*3							
577	Shale oils	68308-34-9	0.1	0.1	*3		1A					
578	Crystalline silica (quartz)	14808-60-7, others	0.1	0.1	*3		1A; 1317-95-9 (Crystalline silica (tripoli)), 7631-86-9 (Silica (silicon dioxide containing crystalline(1% or more) and amorphous)), 14464-46-1 (Crystalline silica (cristabolite)), 14808-60-7 (Crystalline silica (quartz)), 15468-32-3 (Crystalline silica (tridymite)), 61790-53-2 (Diatomaceous earth [which contains 0.1% or more of Crystalline silica])					
579	Ketene	463-51-4	1	1	*3							
580	Germanium tetrahydride	7782-65-2	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
581	Mineral oil	*2	1	0.1	*3 (Unrefined oil or lightly processed oil, Highly refined oils not covered)		1A; 8002-05-9 (Paraffine wax), 8012-95-1 (Praffine liquid), 64741-88-4 (Distillates (petroleum), Solvent-refined heavy Paraffinic), 64741-97-5 (Distillates (petroleum), solvent-refined light naphthenic), 72623-86-0 (Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based), 72623-87-1 (Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based)					
582	Phosphorus pentachloride	10026-13-8	1	1	*3				●			1
583	Paraffin wax	8002-74-2	1	1	*3							
584	Cocoalkylamine	61788-46-3	1	1	*4				●			1
585	Cocoalkyldimethylamine oxide	61788-90-7	1	1	*5							
586	Divanadium pentaoxide	1314-62-1	0.1	0.1	*3	▼0.03mg/m^3 as Vanadium					●	1
587	Dimethyl succinate	106-65-0	1	1	*5							
588	Bromine pentafluoride	7789-30-2	1	1	*3				●			1
589	Coal tar	*2	0.1	0.1	*3	▼0.2mg/m^3 as benzene soluble components		●			●	5
590	Coal tar naphtha	*2	1	1	*3							
591	Colecalciferol (Vitamin D3)	67-97-0	0.3	0.1	*3							
592	Acetic acid	64-19-7	1	1	*3	◆15ppm (short term)			●			1
593	Zinc acetate, dihydrate	5970-45-6	1	1	*5							
594	Allyl acetate	591-87-7	1	1	*5							
595	Ethyl acetate	141-78-6	1	1	*3	▼200ppm						
596	Propylene glycol monoethyl ether acetate	54839-24-6	1	1	*5							
597	Cyclohexyl acetate	622-45-7	1	1	*5							
598	1,3-Dimethylbutyl acetate	108-84-9	1	1	*3							
599	Dimercury di(acetate)	631-60-7	1	0.1	*4				●			1
600	Mercury diacetate	1600-27-7	1	0.1	*4				●			1
601	Lead(II) acetate	301-04-2	0.3	0.1	*3				●eye			1
602	Vinyl acetate	108-05-4	0.1	0.1	*3	◇10ppm (8hrs), 15ppm (short term)	1B					
603	Butyl acetate	123-86-4	1	1	*3 Including alkyl isomers	▼110-19-0 (Isobutyle acetate), 123-86-4 (Butyl acetate) 150ppm ◆540-88-5 (tert-butyl acetate) 20ppm (8hrs), 150ppm (short term)						
	Isobutyle acetate	110-19-0	1	1								
	tert-butyl acetate	540-88-5	1	1								
	sec-Butyl acetate	105-46-4	1	1								
604	n-Propyl acetate	109-60-4	1	1	*3 Including alkyl isomers	▼108-21-4 (Isopropyl acetate) 100ppm, 109-60-4 (n-Propyl acetate) 200ppm						
	Isopropyl acetate	108-21-4	1	1								
605	Hexyl acetate	142-92-7	1	1	*5							
606	Benzyl acetate	140-11-4	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
607	n-Pentyl acetate (n-Amyl acetate)	628-63-7	1	1	*3 Including alkyl isomers	▼123-92-2 (Acetic acid isopentyl (Isoamyl acetate)), 628-63-7 (n-Pentyl acetate (n-Amyl acetate)) 50ppm			●626-38-0 (sec-Pentyl acetate)			1
	Acetic acid isopentyl (Isoamyl acetate)	123-92-2	1	1								1
608	Manganese(II) acetate	638-38-0	0.3	0.1	*3							
609	Methyl acetate	79-20-9	1	1	*3	▼200ppm						
610	Propylene glycol monomethyl ether acetate	108-65-6	1	1	*5							
611	Subtilisins	1395-21-7	1	0.1	*3				●			1
	Subtilisins	9014-01-1	1	0.1	*3				●			1
612	5-Allyl-1,3-benzodioxole	94-59-7	1	0.1	*5							
613	Salicylaldehyde	90-02-8	1	0.1	*5							
614	Salicylic acid	69-72-7	1	0.1	*4				●			1
615	Salinomycin	53003-10-4	1	1	*5							
	Salinomycin 1-sodium salt	55721-31-8	1	1	*5							
616	Titanium trichloride	7705-07-9	1	1	*4				●			1
617	Boron trichloride	10294-34-5	0.3	0.1	*3				●			1
618	Phosphorus trichloride	7719-12-2	1	1	*3	◆0.2ppm (8hrs), 0.5ppm (short term)			●			1
619	Zinc oxide	1314-13-2	1	0.1	*3	◆respirable dust 0.1mg/m^3 (8hrs)						
620	Quicklime (Calcium oxide)	1305-78-8	1	1	*3	◆0.2mg/m^3(8hrs)			●eye			1
621	Cerium(IV) oxide	1306-38-3	1	1	*4							
622	Tungsten(VI) oxide	1314-35-8	1	1	*5							
623	Titanium dioxide (excluding nanoparticle)	13463-67-7	1	0.1	*3							
624	Diiron trioxide	1309-37-1	1	1	*3							
625	Bismuth (III) oxide	1304-76-3	1	1	*4							
626	1,2-Epoxybutane (1,2-Btylene oxide)	106-88-7	1	0.1	*3				●	●		1
627	Propylene oxide (1,2-Epoxypropane)	75-56-9	1	0.1	*3	▼2ppm		●			●	1
628	Magnesium oxide	1309-48-4	1	1	*5							
629	Mesityloxid (Mesityl oxide)	141-79-7	1	0.1	*3	◆2ppm (8hrs)						
630	Phosphorus pentoxide	1314-56-3	1	1	*4				●			1
631	Diboron trioxide	1303-86-2	0.3	0.1	*3							
632	Vanadium(III) oxide	1314-34-7	1	1	*4							
633	Tribromoborane	10294-33-4	1	1	*3				●			1
634	Oxygen (limited to high pressure gas)	7782-44-7	1	1	*5							
635	Aluminum trifluoride	7784-18-1	1	0.1	*3							
636	Chlorine trifluoride	7790-91-2	1	1	*3				●			1
637	Nitrogen trifluoride	7783-54-2	1	1	*5							
638	Trifluoroborane	7637-07-2	1	1	*3				●			1
639	Boron trifluoride diethyl ether (Boron trifluoride ether complex)	109-63-7	1	1	*4				●			1
640	Calcium hypochlorite	7778-54-3	1	1	*3				●			1
641	Triethylenediamine	280-57-9	1	0.1	*4							
642	N,N'-Diacetylbenzidine	613-35-4	1	0.1	*3							
643	Allylidene di(acetate)	869-29-4	1	1	*3							
644	Diacetone alcohol	123-42-2	1	0.1	*3	◆20ppm (8hrs)						
645	2,2'-Azobis(4-methoxy-2,4-dimethylvaleronitrile)	15545-97-8	1	1	*5							
646	O-(2-Diazoacetyl)-L-serine (Azaserine)	115-02-6	1	0.1	*5							
647	6-Diazo-2,4-dinitro-2,4-cyclohexadien-1-one	4682-03-5	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
648	Diazomethane	334-88-3	0.1	0.1	*3		1B		●			1
649	Cyanamide	420-04-2	1	0.1	*3				●	●		1
650	Ethyl 2-cyanoacrylate	7085-85-0	1	1	*3							
651	Methyl 2-cyanoacrylate	137-05-3	1	0.1	*3	◆0.2ppm (8hrs), 1ppm (short term)			●			1
652	Cyanoacetic acid	372-09-8	1	1	*5							
653	(RS)-2-Cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide (Diclocymet)	139920-32-4	1	1	*4							
654	2-Cyanopyridine	100-70-9	1	1	*5							
655	3-Cyanopyridine	100-54-9	1	1	*5							
656	O-(4-Cyanophenyl) O-ethyl phenylphosphonothioate (Cyanofenphos)	13067-93-1	1	0.1	*4							
657	Lambda-cyhalothrin	91465-08-6	1	1	*4							
658	Cyphenothrin	39515-40-7	1	1	*5							
659	1-[(EZ)-2-cyano-2-methoxyiminoacetyl]-3-ethylurea (Cymoxyanil)	57966-95-7	1	1	*5				●			1
660	4-Methoxy-m-phenylenediamine	615-05-4	0.1	0.1	*3		1B			●		0.1
661	4,4'-Diaminodiphenyl ether	101-80-4	0.1	0.1	*3		1B		●			1
662	4,4'-Diamino diphenyl sulfide (4,4'-Thiodianiline, Thioaniline)	139-65-1	1	0.1	*3							
663	4,4'-Diamino diphenyl sulfone (Dapsone)	80-08-0	1	1	*4							
664	4,4'-Diamino-3,3'-dimethyldiphenylmethane (4,4'-Methylenedi-o-toluidine, 4,4'-Methylene bis(2-methylaniline))	838-88-0	0.1	0.1	*3		1B					
665	2,4-Toluenediamine (2,4-Diaminotoluene)	95-80-7	0.1	0.1	*3		1B		●	●		0.1
666	1,5-Diaminonaphthalene	2243-62-1	1	0.1	*4				●			1
667	2,4-Diaminophenol dihydrochloride (Amidol)	137-09-7	1	1	*5							
668	1,2-Propanediamine	78-90-0	1	1	*4				●			1
669	1,3-Diaminopropane	109-76-2	1	1	*5							
670	Allyxycarb	6392-46-7	1	1	*5							
671	Diallylamine	124-02-7	1	1	*4				●			1
672	Tetraalkyl lead	*2	–	0.1	*3 For leaded gasoline, the cut-off value for labeling is 100%						●	–
673	Zinc cyanide	557-21-1	1	1	*5							
674	Potassium cyanide	151-50-8	1	1	*3	▼3mg/m^3 as Cyan					●	5
675	Calcium cyanide	592-01-8	1	1	*3					●		1
676	Silver cyanide	506-64-9	1	1	*4				●eye			1
677	Hydrogen cyanide	74-90-8	1	1	*3	▼3ppm					●	1
678	Sodium cyanide	143-33-9	1	0.1	*3	▼3mg/m^3 as Cyan					●	5
679	Barium tetracyanoplatinate	562-81-2	1	0.1	*4				●			1
680	Potassium cyanate	590-28-3	1	1	*5							
681	Sodium cyanate	917-61-3	1	1	*4							
682	Mixture of isosorbide dinitrate (which contains more than 60%wt of lactose, mannose, starch or calcium hydrogen phosphate)	87-33-2	1	0.1	*4							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
683	Isosorbide mononitrate	16051-77-7	1	1	*4							
684	(SP-4-2)-Diamminedichloroplatinum (Cisplatin)	15663-27-1	0.1	0.1	*3		1B					
685	Diisobutylamine	110-96-3	1	1	*3							
686	Diisobutyl ketone	108-83-8	1	1	*3							
687	1,1'-Iminodipropan-2-ol (Di-isopropanolamine)	110-97-4	1	1	*4				●			1
688	Topiramate	97240-79-4	0.3	0.1	*3							
689	Diisopropylamine	108-18-9	1	1	*3				●			1
690	S-(Ethylsulfinyl)methyl O,O-di(isopropyl) dithiophosphate	5827-05-4	1	1	*3					●		1
691	1,3-Diisopropylcarbodiimide	693-13-0	1	0.1	*4				●			1
692	S-(2,3-Dichloroallyl)-N,N-diisopropylthiocarbamate	2303-16-4	1	1	*5							
693	Diisopropyl peroxydicarbonate	105-64-6	1	1	*4				●eye			1
694	Diisopropylbenzene	25321-09-9	1	1	*5							
	1,3-Diisopropylbenzene	99-62-7	1	1	*5							
	1,4-Diisopropylbenzene	100-18-5	1	1	*5							
695	Diisopentyl ether	544-01-4	1	1	*5							
696	2,2'-Iminodiethanol	111-42-2	1	0.1	*3	◇1mg/m^3 (8hrs)			●	●		1
697	N-Nitrosodiethylamine	55-18-5	0.1	0.1	*3		1B			●		0.1
698	N,N-Diethylaniline	91-66-7	1	1	*5							
699	2,6-Diethylbenzenamine	579-66-8	1	1	*5							
700	Ethanol, 2-(diethylamino)-	100-37-8	1	1	*3	◆2ppm (8hrs)			●	●		1
701	3-(Diethylamino)propylamine	104-78-9	1	1	*4				●			1
702	Pirimiphos-ethyl	23505-41-1	1	1	*5							
703	O-2-(Diethylamino)-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate (Pirimiphos-methy)	29232-93-7	1	0.1	*4							
704	Diethylamine	109-89-7	1	1	*3	◆5ppm (8hrs), 15ppm (short term)			●	●		1
705	N,N-Diethylenediamine	100-36-7	1	1	*4				●			1
706	Carbophenothion	786-19-6	1	0.1	*3					●		1
707	Diethyl ketone	96-22-0	1	1	*3	◇300ppm (short term)						
708	2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (Chlorfenvinphos, CVP)	470-90-6	1	1	*3					●		1
709	Phenkapton	2275-14-1	1	1	*5							
710	Diethyldisulfane	110-81-6	1	1	*5							
711	Zinc diethyldithiocarbamate	14324-55-1	1	0.1	*4				●			1
712	Sodium diethyldithiocarbamate	148-18-5	1	1	*5							
713	Phosfolan	333-29-9	1	1	*3					●		1
714	Diethylstilbestrol	56-53-1	0.1	0.1	*3		1A					
715	S-4-Chlorobenzyl N,N-diethylthiocarbamate (Thiobencarb)	28249-77-6	1	0.1	*5							
716	N,N'-Diethylthiourea	105-55-5	1	0.1	*4				●			1
717	N,N-Diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide (Cafenstrole)	125306-83-4	1	0.1	*4							
718	Diethyl-paradimethyl amino sulfonyl phenyl	3078-97-5	1	1	*5							
719	Parathion	56-38-2	1	0.1	*3	◆0.05mg/m^3 (8hrs)				●		1
720	N,N-Diethyl-p-phenylenediamine	93-05-0	1	0.1	*4				●			1
721	1,2-Diethylhydrazine	1615-80-1	0.3	0.1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
722	N,N-Diethylhydroxylamine (Diethylhydroxylamine)	3710-84-7	1	1	*3							
723	1,2-Diethylbenzene	135-01-3	1	1	*5							
	1,3-Diethylbenzene	141-93-5	1	1	*5							
	1,4-Diethylbenzene	105-05-5	1	1	*5							
724	Diethyl chlorothiophosphonate	2524-04-1	1	1	*3				●			1
725	N,N-Diethyl-m-toluamide (Diethyltoluamide)	134-62-3	1	1	*5							
726	2,2' -Oxybisethanol (Diethylene glycol)	111-46-6	1	0.1	*4							
727	Diethylene glycol diethyl ether	112-36-7	1	1	*5							
728	2-(2-Ethoxyethoxy)ethanol	111-90-0	1	1	*4							
729	Diethylene glycol mono butyl ether [2-(2-buthoxyethoxy)ethanol]	112-34-5	1	1	*3	◆60mg/m^3 (8hrs)						
730	2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether)	111-77-3	0.3	0.1	*3							
731	N-(2-Aminoethyl)-1,2-ethanediamine (Diethylenetriamine)	111-40-0	0.3	0.1	*3				●	●		0.3
732	1,1-Diethoxyethane	105-57-7	1	1	*5							
733	Diethoxydimethylsilane	78-62-6	1	1	*5							
734	Tetrachloromethane	56-23-5	0.1	0.1	*3	▼5ppm		●			●	1
735	1,4-Dioxane	123-91-1	0.1	0.1	*3	▼10ppm		●			●	1
736	Dioxathion	78-34-2	1	1	*3					●		1
737	1,3-Dioxolane	646-06-0	1	0.1	*3							
738	2-(1,3-Dioxolan-2-yl)-phenyl N-methylcarbamate	6988-21-2	0.3	0.1	*3							
739	Di-o-tolylguanidine	97-39-2	1	0.1	*4							
740	Cartap hydrochloride	15263-52-2	1	1	*4				●			1
741	Cycloocta-1,5-diene	111-78-4	1	0.1	*4				●			1
742	Cyclosporine	79217-60-0	0.1	0.1	*3		1A					
743	1,5,9-Cyclododecatriene	4904-61-4	1	1	*5							
744	Cyclopropane	75-19-4	1	1	*5							
745	Cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (Tetramethrin)	7696-12-0	1	1	*5							
746	Tetrahydrophthalic anhydride	85-43-8	1	0.1	*4				●			1
747	Cyclohexanol	108-93-0	1	0.1	*3	▼25ppm			●	●		1
748	Cyclohexanone	108-94-1	1	0.1	*3	▼20ppm			●	●		1
749	Cyclohexane	110-82-7	1	1	*3	◆100ppm (8hrs)						
750	Hexahydrophthalic anhydride	85-42-7	1	0.1	*4				●			1
751	Cycloheximide	66-81-9	0.3	0.1	*3							
752	Cyclohexylamine	108-91-8	0.1	0.1	*3	◇5ppm (short term)			●			1
753	N-(Cyclohexan-1-ylsulfanyl)phthalimide	17796-82-6	1	0.1	*4				●			1
754	3-Cyclohexyl-5,6-trimethyleneuracil (Lenacil)	2164-08-1	1	0.1	*5							
755	2-Cyclohexylbiphenyl	10470-01-6	1	0.1	*3							
756	N-Cyclohexyl-2-benzothiazolesulfenamide	95-33-0	1	0.1	*4				●			1
757	Cyclohexene	110-83-8	1	1	*3							
758	Cyclohexene oxide	286-20-4	1	1	*5							
759	Cycloheptane	291-64-5	1	1	*5							
760	Tricarbonyl(eta-cyclopentadienyl)manganese	12079-65-1	1	1	*3							
761	Cyclopentadiene	542-92-7	1	0.1	*3				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
762	Cyclopentanol	96-41-3	1	1	*5							
763	Cyclopentanone	120-92-3	1	1	*5							
764	Cyclopentane	287-92-3	1	1	*3							
765	Cyclopentene	142-29-0	1	1	*5							
766	Cyclophosphamide anhydride	50-18-0	0.1	0.1	*3		1A					
	Cyclophosphamide monohydrate	6055-19-2	0.1	0.1	*3							
767	Dichlorodinitromethane	1587-41-3	1	1	*5							
768	2,4-Dichloro-6-nitrophenol	609-89-2	1	1	*5							
	Sodium 2,4-dichloro-6-nitrophenolate	64047-88-7	1	1	*5							
769	2,4-Dichlorophenyl 4-nitrophenyl ether (Nitrofen)	1836-75-5	0.3	0.1	*3				●			1
770	1,4-dichlorobut-2-yne	821-10-3	1	1	*5							
771	Dichloroacetylene	7572-29-4	1	1	*3							
772	2,4-Dichloroaniline	554-00-7	1	1	*4							
773	2,5-Dichloroaniline	95-82-9	1	0.1	*4				●			1
774	3,4-Dichloroaniline	95-76-1	1	0.1	*4				●	●		1
775	3,5-Dichloroaniline	626-43-7	1	1	*5							
776	2',4-Dichloro-alpha,alpha,alpha-trifluoro-4'-nitro-m-toluenesulfonanilide (Flusulfamide)	106917-52-6	1	0.1	*4				●eye			1
777	2,4'-Dichloro-alpha-(5-pyrimidinyl)benzhydryl alcohol	60168-88-9	1	0.1	*5							
778	1,1-Dichloroethane	75-34-3	1	1	*3	◆100ppm (8hrs)						
	1,2-Dichloroethane	107-06-2	0.1	0.1		▼10ppm		●			●	1
779	1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane (p,p'-DDD)	72-54-8	0.1	0.1	*3		1B					
780	Dichloroethylsilane	1789-58-8	1	1	*4				●			1
781	Bis(2-chloroethoxy) methane	111-91-1	1	1	*3							
782	1,1-Dichloroethylene	75-35-4	1	0.1		◇5ppm (8hrs)						
	1,2-Dichloroethylene	540-59-0	1	1		▼150ppm						
783	1,1-Bis(4-chlorophenyl)-2,2-dichloroethene (p,p'-DDE)	72-55-9	0.1	0.1	*3		1B					
784	1,2-Dichloro-1-ethoxyethane	623-46-1	1	1	*5							
785	Mucochloric acid	87-56-9	1	1	*4				●			1
786	1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane (o,p'-DDD, Mitotane)	53-19-0	1	1	*4							
787	2-Chloro-N-(4,6-dichloro-1,3,5-triazin-2-yl)aniline	101-05-3	1	1	*5							
788	Dichloroacetic acid	79-43-6	0.3	0.1	*3				●	●		0.3
789	Dichloroacetyl chloride	79-36-7	1	1	*4				●			1
790	Methyl dichloroacetate	116-54-1	1	1	*5							
791	3,3'-Dichloro-4,4'-diaminodiphenylmethane	101-14-4	0.1	0.1	*3	▼0.005mg/m^3		●			●	1
792	Dichlorodiphenylsilane	80-10-4	1	1	*4				●			1
793	1-(3,5-Dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea	83121-18-0	1	1	*4							
794	Dichlorodifluoromethane	75-71-8	1	1	*3	◆1 000ppm (8hrs)						
795	1,3-Dichloro-5,5-dimethylimidazolidine-2,4-dione	118-52-5	1	0.1	*3				●			1
796	Dichloro(dimethyl)silane	75-78-5	1	1	*4				●			1
797	clopidol	2971-90-6	1	1	*3							
798	3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide	23950-58-5	1	1	*5							
799	Dichlorosilane	4109-96-0	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
800	Ethane, 1,2-dichlorotetrafluoro-	76-14-2	1	1	*3	◆1 000ppm (8hrs)						
801	1,3-Dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)trione, sodium salt	2893-78-9	1	1	*5							
802	2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123, R-123)	306-83-2	1	1	*3							
803	1,2-Dichloro-4-(trifluoromethyl)benzene	328-84-7	1	1	*5							
804	2,3-Dichlorotoluene	32768-54-0	1	0.1	*5							
805	2,4-Dichlorotoluene	95-73-8	1	0.1	*5							
806	2,5-Dichlorotoluene	19398-61-9	1	1	*5							
807	2,6-Dichlorotoluene	118-69-4	1	0.1	*5							
808	3,4-Dichlorotoluene	95-75-0	1	0.1	*5							
809	2,3-Dichloro-1.4-naphthoquinone	117-80-6	1	1	*5							
810	1,1-Cichloro-1-nitroethane	594-72-9	1	1	*3							
811	1,2-Dichloro-3-nitrobenzene	3209-22-1	1	1	*4							
812	1,2-Dichloro-4-nitrobenzene	99-54-7	1	0.1	*4					●		1
813	1,4-Dichloro-2-nitrobenzene	89-61-2	0.1	0.1	*3		1B					
814	2,4-Dichloro-1-nitrobenzene (1-Chloro-2-nitrobenzene)	611-06-3	0.1	0.1	*3		1B		●			1
815	2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide (Chloramphenicol)	56-75-7	0.1	0.1	*3		1B					
816	Fenhexamid (N-(2,3-Dichlor-4-hydroxyphenyl)-1-methylcyclohexancarboxamid)	126833-17-8	1	1	*5							
817	3,6-Dichloropyridazine	141-30-0	1	1	*5							
818	3-(3,5-Dichlorophenyl)-2,4-dioxo-N-isopropylimidazolidine-1-carboxamide (Iprodione)	36734-19-7	1	0.1	*5							
819	Methyl 3,4-dichlorophenylcarbanilate (SWEP)	1918-18-9	1	1	*5							
820	3-(3,4-Dichlorophenyl)-1,1-dimethylurea (Diuron)	330-54-1	1	0.1	*3							
821	(+/-) 2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethylether	112281-77-3	1	0.1	*4							
822	2-(2,4-Dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)-2-hexanol (Hexaconazole)	79983-71-4	1	0.1	*4				●			1
823	1-{[2-(2,4-Dichlorophenyl)-4-propan-1-yl-1,3-dioxolan-2-yl]methyl}-1H-1,2,4-triazole (Propiconazole)	60207-90-1	1	0.1	*4				●			1
824	Phenyldichlorophosphine	644-97-3	1	1	*4				●			1
825	3-[1-(3,5-Dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one (Oxaziclomefone)	153197-14-9	1	0.1	*5							
826	(RS)-3-(3,5-Dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione (Vinclozolin)	50471-44-8	0.3	0.1	*3				●			1
827	3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea (Linuron)	330-55-2	0.3	0.1	*3							
828	Sodium 2-(2,4-dichlorophenoxy)ethyl sulphate (Disul-sodium)	136-78-7	1	1	*3							
829	2,4-Dichlorophenoxyacetic acid	94-75-7	1	0.1	*3	◇2mg/m^3 (8hrs)				●		1
830	2-(2,4-Dichlorophenoxy) propionic acid (Dichlorprop)	120-36-5	0.3	0.1	*3				●eye			1
831	2,4-Dichlorophenol	120-83-2	1	1	*4				●			1
832	2,5-Dichlorophenol	583-78-8	1	1	*4							
833	2,6-Dichlorophenol	87-65-0	1	1	*5							
834	3,4-Dichlorophenol	95-77-2	1	1	*5							
835	2-Butene, 1,4-dichloro-	764-41-0	0.1	0.1	*3		1B		●	●		0.1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
836	3,4-Dichloro-1-butene	760-23-6	1	1	*4							
837	1,1-Dichloro-1-fluoroethane	1717-00-6	1	0.1	*5							
838	1,3-dichloro-4-fluorobenzene	1435-48-9	1	1	*5							
839	Dichlorofluoromethane	75-43-4	1	0.1	*3	◆10ppm (8hrs)						
840	Dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide	731-27-1	1	0.1	*4				●			1
841	N-dichlorofluoromethylthio-N',N'-dimethyl-N-phenylsulphamide	1085-98-9	1	0.1	*4				●			1
842	2,3-Dichloro-1-propanol	616-23-9	1	1	*5							
843	1,2-Dichloropropane	78-87-5	0.1	0.1	*3	▼1ppm		●			●	1
844	1,3-Dichloropropane	142-28-9	1	0.1	*4				●			1
845	1,3-Dichloropropan-2-ol	96-23-1	1	0.1	*4							
846	3',4'-Dichloropropionanilide	709-98-8	1	1	*5							
847	2,2-Dichloropropionic acid (Dalapon)	75-99-0	1	1	*3				●eye			1
848	Propene, 1,3-dichloro-	542-75-6	1	0.1	*3	◇1ppm (8hrs)			●	●		1
849	2,3-Dichloropropene	78-88-6	1	1	*5							
850	(RS)-1-[2,5-Dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-difluorobenzoyl)urea (Lufenuron)	103055-07-8	1	0.1	*5							
851	4,4'-Dichlorobenzilic acid ethyl ester (Chlorobenzilate)	510-15-6	1	0.1	*4							
852	p-Dichlorobenzene	106-46-7	1	0.1	*3	◇10ppm (8hrs)			●			1
	o-Dichlorobenzene	95-50-1	1	1	*3	▼25ppm (o-Dichlorobenzene)				●		1
	m-Dichlorobenzene	541-73-1	1	1	*4							1
853	2-[4-(2,4-Dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone (Pyrazoxyfen)	71561-11-0	1	1	*4							
854	2,6-Dichlorobenzonitrile (Dichlobenil)	1194-65-6	1	0.1	*4							
855	Dichloropentafluoropropane (HCFC-225)	*2	1	1	*5							
856	1,5-Dichloropentane	628-76-2	1	1	*5							
857	2-[4-(2,4-Dichloro-m-toluoyl)-1,3-dimethyl-5-pyrazolyloxy]-4-methylacetophenone (Benzofenap)	82692-44-2	1	1	*5							
858	Dichloromethane	75-09-2	0.1	0.1	*3	▼50ppm		●			●	1
859	Dichloro(methyl)silane	75-54-7	1	1	*4				●			1
860	Disuccinic acid peroxide	123-23-9	1	1	*5							
861	Osmium tetraoxide	20816-12-0	1	1	*3				●			1
862	Dinitrogen tetraoxide	10544-72-6	1	1	*4				●			1
863	Gold(I) potassium cyanide	13967-50-5	1	0.1	*4				●			1
864	2,3-Dicyano-1,4-dithiaanthraquinone (Dithianon)	3347-22-6	1	0.1	*4				●			1
865	Dicyanomethane (Malononitrile)	109-77-3	1	1	*3							
866	Oxalonitrile (Dicyan, Cyanogen)	460-19-5	1	1	*3							
867	Dicyclohexylamine	101-83-7	1	0.1	*4				●	●		1
	Dicyclohexylammonium nitrite	3129-91-7	1	1								
868	Dicyclohexylcarbodiimide	538-75-0	1	0.1	*4				●			1
869	N,N-Dicyclohexyl-2-benzothiazolylsulfenamide	4979-32-2	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
870	Dicyclopentadienyl iron (Ferrocene)	102-54-5	1	0.1	*3							
871	Dicyclopentadiene	77-73-6	1	0.1	*3	◆0.5ppm (8hrs)						
872	Disilane	1590-87-0	1	1	*5							
873	L-Cysteine	52-90-4	1	1	*5							
874	2,6-tert-Butyl-p-cresol (Dibutylhydroxytoluene, BHT)	128-37-0	1	0.1	*3	◇10mg/m^3 (8hrs)						
875	3,5-Di-tert-butylsalicylic acid	19715-19-6	1	1	*5							
876	Methyl 3,5-bis(1,1-dimethylethyl)-4-hydroxybenzenepropanoate	6386-38-5	1	0.1	*5							
877	2,4-Di-tert-butylphenol	96-76-4	1	1	*5							
878	Di-tert-Butylperoxide	110-05-4	1	1	*5							
879	2,4-Di-tert-Pentylphenol	120-95-6	1	1	*5							
880	2,5-Di-tert-amylhydroquinone	79-74-3	1	1	*5							
881	Diisopropyl 1,3-dithiolan-2-ylidenemalonate	50512-35-1	1	1	*3							
882	O-Ethyl S,S-diphenyl phosphorodithioate	17109-49-8	1	1	*4							
883	O-ethyl O-(4-methylthiophenyl) S-propyl dithiophosphate	35400-43-2	1	1	*3					●		1
884	2-Chloro-1-phthalimidoethyl O,O-diethyl phosphorodithioate	10311-84-9	1	0.1	*4							
885	Menazon	78-57-9	1	1	*5							
886	O,O-Diethyl dithiophosphate	298-06-6	1	1	*5							
887	O,O-Diethyl-S-(2-ethylthioethyl) dithiophosphate [Disulfoton]	298-04-4	1	0.1	*3					●		1
888	O,O-Diethyl-S-ethylthiomethyl dithiophosphate (Phorate)	298-02-2	1	0.1	*3					●		1
889	O,O-Diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate (Phosalone)	2310-17-0	1	0.1	*4							
890	Terbufos	13071-79-9	1	0.1	*3					●		1
891	O-2,4-Dichlorophenyl O-ethyl S-propyl phosphorodithioate	34643-46-4	1	0.1	*4				●			1
892	S-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate (Methidathion or DMTP)	950-37-8	1	0.1	*4							
893	O,O-Dimethyl dithiophosphate	756-80-9	1	1	*5							
894	O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl]phosphorodithioate, (Azinphos-methyl)	86-50-0	1	0.1	*3	◆1mg/m^3(8hrs)			●	●		1
895	O,O-Dimethyl-S-1,2-bis(ethoxycarbonyl)ethyl dithiophosphate (Malathion)	121-75-5	0.1	0.1	*3		1B		●	●		0.1
896	O,O-Dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate (Dimethoate)	60-51-5	1	1	*4							
897	O,O-Dimethyl S-[(morpholinocarbonyl)methyl] dithiophosphate	144-41-2	1	1	*5							
898	Bis(2-ethylhexyl) dithiophosphate	5810-88-8	1	1	*4				●			1
899	Clarithromycin	81103-11-9	1	0.1	*4							
900	Roxithromycin	80214-83-1	1	0.1	*4							
901	Didecyldimethylammonium chloride	7173-51-5	1	0.1	*4				●			1
902	Citral	5392-40-5	1	0.1	*4				●	●		1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
903	Disodium 4-amino-3-[4'-(2,4-diaminophenylazo)-1,1'-biphenyl-4-ylazo]-5-hydroxy-6-phenylazo-2,7-naphthalenedisulfonate (Direct Black 38)	1937-37-7	0.1	0.1	*3		1A					
904	Disodium 1-(2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate	3761-53-3	1	0.1	*3							
905	Disodium 8-[[3,3'-Dimethyl-4'-[[4-[[(4-methylphenyl)sulfonyl]oxy]phenyl]azo]-1,1'-biphenyl-4-yl]azo]-7-hydroxy-1,3-naphthalenedisulfonate (Acid Red 114)	6459-94-5	1	0.1	*3							
906	Disodium 3-hydroxy-4-[(2,4,5-trimethylphenyl)azo]naphthalene-2,7-disulphonate	3564-09-8	1	0.1	*3							
907	Disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]	16090-02-1	1	1	*5							
908	2,4-Dinitroaniline	97-02-9	1	0.1	*5							
909	Sodium 4,6-dinitro-o-cresolate	2312-76-7	1	0.1	*4							
910	2,4-Dinitro-6-cyclohexylphenol (Dinex)	131-89-5	1	1	*4				●			1
911	N,N'-Dinitrosopentamethylenetetramine	101-25-7	1	1	*5							
912		602-01-7	1	1	*5							
913	2,4-Dinitrotoluene	121-14-2	0.1	0.1	*3		1B (isomer mixture: limited to 121-14-2 (2,4-Dinitrotoluene) 0.1% or more included)					
914	2,5-Dinitrotoluene	619-15-8	1	1	*4							
915	2,6-Dinitrotoluene	606-20-2	0.1	0.1	*3		1B					
916	3,4-Dinitrotoluene	610-39-9	1	1	*4							
917	3,5-Dinitrotoluene	618-85-9	1	0.1	*4							
918	1,6-Dinitropyrene	42397-64-8	1	0.1	*5							
919	1,8-Dinitropyrene	42397-65-9	1	0.1	*5							
920	2,4-Dinitrophenol	51-28-5	1	0.1	*3							
	Dinitrophenol (undetermined)	25550-58-7	1	1	*4							
	2,6-Dinitrophenol	573-56-8	1	1	*4							
921	3,7-Dinitrofluoranthene	105735-71-5	1	0.1	*5							
922	3,9-Dinitrofluoranthene	22506-53-2	1	0.1	*5							
923	Dinitrobenzene (isomer mixture)	25154-54-5	1	0.1	*3				●99-65-0 (m-Dinitrobenzene), 25154-54-5 Dinitrobenzene (isomer mixture))	●99-65-0 (m-Dinitrobenzene), 100-25-4 (p-Dinitrobenzene), 528-29-0 (o-Dinitrobenzene), 25154-54-5 (Dinitrobenzene (isomer mixture)		1
924	5,7-Dinitro-1,2,3-benzoxadiazole	87-31-0	1	1	*5							
925	Dinoseb acetate	2813-95-8	1	0.1	*5							
926	2-(1-Methylpropyl)-4,6-dinitrophenol [Dinoseb]	88-85-7	1	0.1	*3					●		1
927	Binapacryl	485-31-4	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
928	Dinitromethylhepthylphenylcrotonate	39300-45-3	1	0.1	*4				●131-72-6 (2,4-Dinitro-6-(octan-2-yl)phenyl (E)-2-butenoate (Meptyldinocap)), 39300-45-3 (Dinitromethylhepthylphenylcrotonate)			1
929	2,4-Dinitroresorcinol	519-44-8	1	1	*5							
930	4,6-Dinitroresorcinol	616-74-0	1	1	*5							
931	2-(Di-n-butylamino)ethanol	102-81-8	1	1	*3				●	●		1
932	Di-n-propyl ketone	123-19-3	1	1	*3							
933	1,8-Dihydroxyanthraquinone (Danthron)	117-10-2	1	0.1	*5							
934	Diprophylline	479-18-5	1	1	*4							
935	Lasiocarpine	303-34-4	1	0.1	*4							
936	3,4-Dihydro-2H-pyran	110-87-2	1	1	*5							
937	2,3-Dihydro-6-propyl-2-thioxo-4(1H)-pyrimidinone (Propylthiouracil)	51-52-5	1	0.1	*4							
938	3,4-Dihydro-2-methoxy-2H-pyran	4454-05-1	1	1	*4							
939	Divinyl sulfone	77-77-0	1	1	*3				●	●		1
940	Divinyl benzene	1321-74-0	1	0.1	*3				●			1
941	Diphacinone	82-66-6	1	1	*3					●		1
942	Diphenylamine	122-39-4	1	0.1	*3	◇5mg/m^3 (8hrs)			●eye			1
943	5,5-Diphenyl-2,4-imidazolidinedione	57-41-0	0.1	0.1	*3							
944	Diphenyl ether	101-84-8	1	1	*3	◆1ppm (8hrs)						
945	1,3-Diphenylguanidine	102-06-7	1	0.1	*5							
946	Diphenyldisulfane	882-33-7	1	1	*5							
947	N,N'-Diphenylthiourea	102-08-9	1	0.1	*4				●			1
948	N,N'-Diphenyl-1,4-phenylenediamine	74-31-7	1	0.1	*4				●			1
949	1,2-Diphenylhydrazine	122-66-7	1	0.1	*5							
950	Benzilic acid	76-93-7	1	1	*5							
951	Diphenhydramine hydrochloride	147-24-0	1	0.1	*4							
952	Dibutan-1-yl phosphonate	1809-19-4	1	1	*5							
953	2,3-Dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate	55285-14-8	1	0.1	*4				●			1
954	Dibutylamine	111-92-2	1	1	*4				●			1
955	1,1-Difluoroethane	75-37-6	1	1	*5							
956	Difluoroacetic acid	381-73-7	1	1	*4				●			1
957	2,4-Difluoro-1-nitrobenzene	446-35-5	1	1	*5							
958	Fludioxonil	131341-86-1	1	0.1	*5							
959	Difluoromethane	75-10-5	1	1	*5							
960	Di-n-propylamine	142-84-7	1	1	*4				●			1
961	Dipropyl ether	111-43-3	1	1	*5							
962	S-Ethyl dipropylthiocarbamate	759-94-4	1	0.1	*5							
963	S-Propyl N,N-dipropylthiocarbamate	1929-77-7	1	0.1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
964	Dipropyl 4-(methylthio)phenyl phosphate	7292-16-2	1	1	*3							
965	3,5-Dibromo-4'-nitroazobenzen-4-ol	3281-96-7	1	1	*5							
966	1,2-Dibromoethane (EDB)	106-93-4	0.1	0.1	*3		1B			●		0.1
967	1,2-Dibromo-3-chloropropane	96-12-8	0.1	0.1	*3					●		0.1
968	Dibromochloromethane	124-48-1	1	0.1	*5							
969	2,2-Dibromo-2-cyanoacetamide (2,2-Dibromo-3-nitrilopropionamide)	10222-01-2	1	0.1	*4				●			1
970	Dibromodifluoromethane	75-61-6	1	1	*3							
971	Dibromotetrafluoroethane (Halon-2402)	*2	1	1	*5							
972	2,4-Dibromophenol	615-58-7	1	1	*5							
973	2,3-Dibromo-1-propanol	96-13-9	1	0.1	*5							
974	1,3-Dibromopropane	109-64-8	1	1	*4							
975	2,3-Dibromopropiononitrile	4554-16-9	1	1	*5							
976	Dibromomethane	74-95-3	1	0.1	*5							
977	N-[2,6-Dibromo-4-(trifluoromethoxy)phenyl]-2-methyl-4-(trifluoromethyl)-5-Thiazolecarboxamide (Thifluzamide)	130000-40-7	1	1	*4							
978	Dibenzyl ether	103-50-4	1	1	*5							
979	Dibenz[a,h]acridine	226-36-8	1	0.1	*5							
980	Dibenz[a,j]acridine	224-42-0	0.1	0.1	*3		1B					
981	Dibenz[a,h]anthracene	53-70-3	0.1	0.1	*3		1B			●		0.1
982	Dibenzoyl peroxide	94-36-0	1	0.1	*3				●			1
983	7H-Dibenzo[c,g]carbazole	194-59-2	1	0.1	*5							
984	Di(benzothiazol-2-yl) disulphide (MBTS)	120-78-5	1	0.1	*4				●			1
985	Dibenzo[b,d]thiophene	132-65-0	1	1	*5							
986	Dibenzo[a,h]pyrene	189-64-0	1	0.1	*5					●		1
987	Dibenzo[a,i]pyrene	189-55-9	1	0.1	*5					●		1
988	Dipentyl ketone (n-Amyl ketone)	927-49-1	1	1	*5							
989	Dipentene (Limonene)	138-86-3	1	0.1	*4				●			1
990	Diborane(6)	19287-45-7	1	1	*3	◇0.01ppm (8hrs)			●			1
991	Dimethylzinc	544-97-8	1	1	*4				●			1
992	N,N-Dimethylacrylamide	2680-03-7	1	1	*5							
993	(RS)-O,S-Dimethyl acetylphosphoramidothioate (Acephate)	30560-19-1	1	0.1	*4							
994	2',4'-Dimethylacetoacetanilide	97-36-9	1	1	*5							
995	N,N-Dimethylacetamide	127-19-5	0.1	0.1	*3	◇5ppm (8hrs)	1B			●		0.1
996	N,N-Dimethylaniline	121-69-7	1	0.1	*3	◆25mg/m^3 (8hrs)				●		1
997	2-Dimethylaminoethanol	108-01-0	1	0.1	*4				●			1
998	2-(Dimethylamino)-5,6-dimethylpyrimidin-4-yl dimethylcarbamate (Pirimicarb)	23103-98-2	1	0.1	*4				●			1
999	N,N-Dimethyl-1,2,3-trithian-5-amine (Thiocyclam)	31895-21-3	1	1	*4							
1000	[4-[[4-(Dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	1694-09-3	1	0.1	*3							
1001	N-[4-[[4-(Dimethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-methylmethanaminium, chloride (Malachite green)	569-64-2	0.1	0.1	*3				●eye			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1002	3-(Dimethylamino)propanenitrile	1738-25-6	1	1	*4							
1003	Formetanate hydrochloride	23422-53-9	1	0.1	*4				●			1
1004	Dimethylamine	124-40-3	1	0.1	*3	◇2ppm (8hrs)			●			1
1005	Isothioate	36614-38-7	1	1	*5							
1006	N,N-Dimethylethylamine	598-56-1	1	1	*3				●			1
1007	S-(2-Ethylsulphinyl-1-methylethyl)-O,O-dimethyl phosphorothioate	2674-91-1	1	1	*5							
1008	tert-Butyl alpha,alpha-dimethylbenzyl peroxide	3457-61-2	1	1	*5							
1009	S-2-(Ethylthio)ethyl O,O-dimethyl phosphorodithioate	640-15-3	1	1	*4				●eye			1
1010	Demeton-methyl	8022-00-2	1	0.1	*3				●	●		1
1011	Dimethyl ether	115-10-6	1	1	*5							
1012	Ethoxydimethylsilane	14857-34-2	1	0.1	*3							
1013	Diacetone acrylamide	2873-97-4	1	1	*5							
1014	Citronellal	106-23-0	1	1	*5							
1015	3,7-Dimethyl-6-octen-1-yn-3-ol (Dehydro-beta-linalool)	29171-20-8	1	0.1	*5							
1016	Linalyl acetate	115-95-7	1	0.1	*4				●			1
1017	Linalool	78-70-6	1	0.1	*4				●			1
1018	Geraniol	106-24-1	1	0.1	*4				●			1
1019	N,N-Dimethyloctadecylamine	124-28-7	1	1	*4				●			1
1020	3,7-Dimethyloctan-3-ol (Tetrahydrolinalool)	78-69-3	1	0.1	*4				●			1
1021	Dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate) (Thiophanate-methyl)	23564-05-8	1	0.1	*4				●			1
1022	Dimethyl carbamyl chloride	79-44-7	0.1	0.1	*3		1B			●		0.1
1023	1,3-Dimethyl-1H-purine-2,6(3H,9H)-dione (Theophylline)	58-55-9	1	0.1	*4							
1024	Theobromine (2,6-Dihydroxy-3,7-dimethylpurine)	83-67-0	0.3	0.1	*3							
1025	2-[(8-Chlordibenzo[b,f]thiepin-10-yl)oxy]-N,N-dimethylethanamine (Zotepine)	26615-21-4	1	0.1	*4							
1026	Dimethylcyanamide	1467-79-4	1	1	*4							
1027	Phosphamidon	13171-21-6	1	1	*4							
1028	Dimethyldioctadecylammonium chloride (DODAC)	107-64-2	1	0.1	*4				●eye			1
1029	N,N-Dimethylcyclohexylamine	98-94-2	1	1	*4				●			1
1030	Dimethyl 2,2-dichlorovinyl phosphate (DDVP)	62-73-7	1	0.1	*3	▼0.1mg/m^3		●			●	1
1031	Dimethyldisulfide	624-92-0	1	0.1	*3				●	●		1
1032	Sodium dimethyldithiocarbamate	128-04-1	1	1	*5							
1033	Benfuracarb	82560-54-1	1	1	*4							
1034	2,5-Dimethyl-2,5-di(benzoylperoxy)hexane	2618-77-1	1	1	*5							
1035	Dimethyl sulfoxide	67-68-5	1	1	*5					●		1
1036	S-4-Phenoxybutyl N,N-dimethylthiocarbamate (Fenothiocarb)	62850-32-2	0.3	0.1	*3							
1037	O,O-Dimethylchlorothiophosphonate	2524-03-0	1	1	*3				●eye			1
1038	N,N-Dimethyldodecan-1-ylamine	112-18-5	1	1	*4				●			1
1039	N,N-Dimethyldodecylamine N-oxide	1643-20-5	1	1	*5							
1040	Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate (Tichlorfon or DEP)	52-68-6	0.1	0.1	*3				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1041	p-Nitrosodimethylaniline	138-89-6	1	0.1	*5							
1042	N,N-Dimethylnitrosamine	62-75-9	0.1	0.1	*3		1B			●		0.1
1043	N,N'-Dimethylurea	96-31-1	1	1	*5							
1044	Fujithion	3309-87-3	1	1	*5							
1045	N,N-Dimethyl-p-toluidine	99-97-8	1	0.1	*4							
1046	Dimethyl-p-nitrophenylthiophosphate (Methylparathion)	298-00-0	1	0.1	*3					●		1
1047	1,1-Dimethylhydrazine	57-14-7	1	0.1	*3	▼0.01ppm		●			●	1
	1,2-Dimethylhydrazine	540-73-8	0.1	0.1			1B		●			1
1048	1,1-Dimethyl-4,4-bipyridinium dichloride (Paraquat dichloride)	1910-42-5	1	1	*3				●	●		1
	Paraquat-dimethylsulfate	2074-50-2	1	1					●	●		1
	1,1'-Dimethyl-4,4'-bipyridinium (Paraquat)	4685-14-7	1	0.1					●	●		1
1049	2,5-Dimethylpyrazine	123-32-0	1	1	*5							
1050	2,6-Dimethylpyridine (2,6-Lutidine)	108-48-5	1	1	*5							
1051	Sulfometuron Methyl	74222-97-2	1	0.1	*3							
1052	1,4-Dimethyl-2-(1-phenylethyl)benzene	6165-51-1	1	1	*5							
1053	3,4-Xylyl methylcarbamate	2425-10-7	1	1	*5							
1054	3,5-Dimethylphenyl N-methylcarbamate (XMC)	2655-14-3	1	1	*4							
1055	3,3-Dimethyl-2-butanone	75-97-8	1	1	*5							
1056	O,O-Dimethyl phthalimidomethyl S-phosphorodithioate (Phosmet)	732-11-6	1	0.1	*4							
1057	3,3-Dimethyl-2-butanol	464-07-3	1	1	*5							
1058	3-Mesityl-2-oxo-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate (Spiromesifen)	283594-90-1	1	0.1	*4				●			1
1059	N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-phenylenediamine	793-24-8	1	0.1	*4				●			1
1060	5-Fluoro-1,3-dimethyl-N-[2-(4-methylpentan-2-yl)phenyl]-1H-pyrazole-4-carboxamide (Penflufen)	494793-67-8	1	0.1	*5							
1061	2,2-Dimethylpropanoyl chloride	3282-30-2	1	1	*4				●			1
1062	2,2-Dimethylpropanoic acid	75-98-9	1	1	*5							
1063	N,N-Dimethyl-1,3-diaminopropane	109-55-7	1	0.1	*4				●			1
1064	N-(1,2-Dimethylpropyl)-N-ethylthiocarbamicacidS-benzylester (Esprocarb)	85785-20-2	1	0.1	*5							
1065	2,5-Dimethylhexa-2,4-diene	764-13-6	1	1	*5							
1066	2,6-Dimethylheptan-4-ol	108-82-7	1	1	*5							
1067	Benzyldimethylamine	103-83-3	1	1	*4				●			1
1068	2,2-Dimethyl-1,3-benzodioxol-4-yl N-methylcarbamate (Bendiocarb)	22781-23-3	1	0.1	*4					●		1
1069	N,N-Dimethylformamide	68-12-2	0.1	0.1	*3	▼10ppm	1B			●		0.1
1070	Camphene (mixed optical isomers)	79-92-5	1	1	*5							
1071	Allethrin (1RS-, cis- and trans- mixture)	584-79-2	1	0.1	*4				●			1
1072	Bioresmethrin (5-Bezylfur-3-yl)methyl(1R)-trans-2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboylate)	28434-01-7	0.3	0.1	*3							
1073	Crotoxyphos	7700-17-6	1	1	*5							
1074	O,O-Dimethyl O-[3-methyl-4-(methylsulfinyl)phenyl] thiophosphate	3761-41-9	1	1	*5							
1075	1,2-Dimethoxyethane (Ethylene glycol dimethyl ether)	110-71-4	0.3	0.1	*3							
1076	Berberine hydrochloride	633-65-8	1	0.1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1077	1-[(2,5-Dimethoxyphenyl)azo]-2-naphthol	6358-53-8	1	0.1	*3							
1078	3,4-Dimethoxybenzaldehyde	120-14-9	1	1	*5							
1079	1,2-Dimethoxybenzene (Veratrol)	91-16-7	1	1	*5							
1080	1,3-Dimethoxybenzene	151-10-0	1	1	*5							
1081	Ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate (Phenthoate)	2597-03-7	1	0.1	*4							
1082	Bromoethane	74-96-4	1	0.1	*3					●		1
1083	Hydrobromic acid	10035-10-6	1	1	*3				●			1
1084	Benzyl bromide	100-39-0	1	1	*5							
1085	Bromomethane (Methyl bromide)	74-83-9	1	0.1	*3	▼1ppm					●	1
1086	Lithium bromide	7550-35-8	1	1	*5							
1087	Oxalic acid	144-62-7	1	0.1	*3				●eye			1
1088	Disodium octaborate tetrahydrate	12280-03-4	0.3	0.1	*3							
1089	oxalic acid diethylester (Diethyl oxalate)	95-92-1	1	1	*5							
1090	Triammonium trioxalatoferrate	14221-47-7	1	1	*5							
1091	Trisodium trioxalatoferrate	555-34-0	1	1	*5							
1092	Diammonium oxalate	1113-38-8	1	1	*5							
	Dipotassium oxalate	583-52-8	1	1	*5							
	Ethandioic acid, disodium salt	62-76-0	1	1	*5							
1093	Manganese oxalate	640-67-5	1	1	*4							
1094	Bromine	7726-95-6	1	1	*3	◇0.2ppm (short term)			●			1
1095	Brominated biphenyl	*2	1	0.1	*3		1B；13654-09-6 (Decabromobiphenyl (Polybrominated biphenyl)), 27858-07-7 (Octabromobiphenyl (Polybrominated biphenyl)), 36355-01-8 (Hexabromobiphenyl (Polybrominated biphenyl)), 59536-65-1, 67774-32-7 (Polybrominated biphenyl (FireMaster BP-6 (Polybrominated biphenyl mixture (Br 5-7)))					
1096	Potassium bromate	7758-01-2	1	0.1	*4							
1097	Sodium bromate	7789-38-0	1	0.1	*4							
1098	Nitric acid	7697-37-2	1	1	*3						●	1
1099	Zinc nitrate	7779-88-6	1	1	*5							
	Zinc(II) nitrate hexahydrate	10196-18-6	1	1	*5							
1100	Ammonium nitrate	6484-52-2	−	−	*3							
1101	2-Ethylhexyl nitrate	27247-96-7	1	1	*5							
1102	Potassium nitrate	7757-79-1	1	0.1	*4							
1103	Calcium nitrate	10124-37-5	1	1	*4							
1104	Bismuth subnitrate	1304-85-4	1	1	*4							
1105	Strychnidin-10-one mononitrate	66-32-0	1	1	*4							
1106	Strontium nitrate	10042-76-9	1	1	*5							
1107	Starch nitrate	9056-38-6	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1108	Sodium nitrate	7631-99-4	1	1	*4							
1109	Urea nitrate	124-47-0	1	1	*5							
1110	n-Propyl nitrate	627-13-4	1	1	*3							
1111	Bismuth (III) nitrate	10361-44-1	1	1	*4							
1112	Magnesium nitrate	10377-60-3	1	1	*4							
	Magnesium nitrate hexahydrate	13446-18-9	1	1	*4							
1113	Lithium nitrate	7790-69-4	0.3	0.1	*3							
1114	Camphor	76-22-2	1	1	*3	◇2ppm (8hrs)						
1115	Dilauroyl peroxide	105-74-8	1	1	*5							
1116	Silane	7803-62-5	1	1	*3							
1117	Zirconium	7440-67-7	1	1	*5							
1118	Refractory ceramic fibers	142844-00-6	1	0.1	*3	▼5μm or longer 0.3 fiber/cm^3		●			●	1
	Artificial mineral fiber (except Refractory ceramic fibers)	*2	1	1								
1119	Potassium hydroxide	1310-58-3	1	1	*3				●			1
1120	Calcium hydroxide	1305-62-0	1	1	*3	◆0.2mg/m^3 (8hrs)			●eye			1
1121	Cesium hydroxide	21351-79-1	1	1	*3				●			1
1122	Sodium hydroxide	1310-73-2	1	1	*3				●			1
1123	Lithium hydroxide	1310-65-2	0.3	0.1	*3				●			1
1124	Hydrogen	1333-74-0	1	1	*5							
1125	Hydrogenated terphenyl	61788-32-7	1	1	*5							
1126	Sodium hydride	7646-69-7	1	1	*4				●			1
1127	Lithium hydride	7580-67-8	0.3	0.1	*3				●			1
1128	Styrene monomer	100-42-5	0.1	0.1	*3	▼20ppm		●			●	1
1129	Sodium stearate	822-16-2	1	1	*3							
1130	Lead distearate	1072-35-1	0.1	0.1	*3		1B					
1131	Magnesium stearate	557-04-0	1	1	*3							
1132	Stearoyl chloride	112-76-5	1	1	*5							
1133	Strychnine	57-24-9	1	1	*3							
1134	Strontium	7440-24-6	1	1	*5							
1135	Sulfamic acid	5329-14-6	1	1	*5							
1136	2-Sulfohexadecanoic acid 1-methylester sodium salt	4016-24-4	1	1	*5							
1137	Zeolites	1318-02-1	1	1	*4							
1138	sec-Butylamine	13952-84-6	1	1	*4				●			1
1139	4-sec-Butyl-2,6-di-tert-butylphenol	17540-75-9	1	1	*5							
1140	sec-Butylbenzene	135-98-8	1	1	*5							
1141	Low boiling point naphtha (Ligroin)	*2	1	1	*3							
1142	Solvent naphtha (petroleum), light arom	*2	1	1	*3							
1143	Petroleum Benzine	*2	1	1	*3							
1144	Phosphorus	7723-14-0	1	1	*5							
1145	Sodium sesquicarbonate	533-96-0	1	1	*3							
1146	Semicarbazide hydrochloride	563-41-7	1	0.1	*5							
1147	Cerium	7440-45-1	1	1	*4							
1148	Teriparatide	52232-67-4	0.1	0.1	*3		1A					
1149	Celluloid, in blocks, rods, rolls, sheets, tubes, etc.	8050-88-2	1	1	*5							
1150	Semduramicin	113378-31-7	1	1	*4							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1151	2,3,7,8-Tetrachlorodibenzo[b,e][1,4]dioxin	1746-01-6	0.1	0.1	*3		1A					
	Dioxins (excluding those listed in Group 3 (i) Appended Table 3 of Order for Enforcement of Industrial Safety and Health Act and 2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin)	*2	0.3	0.1								
1152	tert-Dodecanethiol	25103-58-6	1	0.1	*4				●			1
1153	tert-Butylamine	75-64-9	1	1	*5							
1154	2-tert-Butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one (Buprofezin)	69327-76-0	1	1	*3							
1155	tert-Butyl 2-ethylperoxyhexanoate	3006-82-4	1	1	*5							
1156	N-tert-Butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide (Tebufenozide)	112410-23-8	1	0.1	*4							
1157	2-tert-Butyl-p-cresol	2409-55-4	1	1	*5							
1158	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea (Diafenthiuron)	80060-09-9	1	1	*4							
1159	3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one (Oxadiazon)	19666-30-9	1	0.1	*5							
1160	3,5-Dinitro-2,6-dimethyl-4-tert-butylacetophenone (Musk ketone)	81-14-1	1	0.1	*5							
1161	Musk xylene (5-tert-Butyl-2,4,6-trinitro-m-xylene)	81-15-2	1	0.1	*5							
1162	tert-Butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate (Fenpyroximate)	134098-61-6	1	0.1	*4				●			1
1163	2-tert-Butyl-4,6-dimethylphenol	1879-09-0	1	0.1	*5							
1164	2-tert-Butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone (Pyridaben)	96489-71-3	1	1	*4							
1165	2-tert-Butylhydroquinone	1948-33-0	1	0.1	*4				●			1
1166	2-Methylpropane-2-peroxol	75-91-2	1	0.1	*4				●	●		1
1167	3-(4-tert-Butylphenyl)-2-methylpropanal	80-54-6	0.3	0.1	*3				●			1
1168	2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite (Propargite)	2312-35-8	1	0.1	*5							
1169	2-tert-Butylphenol	88-18-6	1	1	*4				●			1
1170	4-tert-Butylphenol	98-54-4	1	0.1	*4				●	●		1
1171	tert-Butyl peroxybenzoate	614-45-9	1	0.1	*4				●			1
1172	N-(4-tert-Butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide (Tebufenpyrad)	119168-77-3	1	0.1	*4				●			1
1173	tert-Butylbenzene	98-06-6	1	1	*5							
1174	tert-Butylcatechol	98-29-3	1	0.1	*5				●			1
1175	N-(1,3-Benzothiazol-2-ylsulfanyl)-tert-butylamine	95-31-8	1	0.1	*4				●			1
1176	2-tert-Butyl-5-methylphenol	88-60-8	1	0.1	*4				●			1
1177	tert-Butyl monoperoxymaleate	1931-62-0	1	1	*5							
1178	Ethylene glycol mono-tert-butyl ether	7580-85-0	1	1	*4							
1179	1-tert-Butoxy-2-propanol	57018-52-7	1	0.1	*5							
1180	tert-Amyl peroxy-3,5,5-trimethylhexanoate	68860-54-8	1	1	*5							
1181	4-tert-Pentylphenol	80-46-6	1	0.1	*4				●			1
1182	Sodium polysulfide	1344-08-7	1	1	*4				●			1
1183	Calcium acetylide	75-20-7	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1184	Silicon carbide whisker	409-21-2	0.1	0.1	*3		1B					
1185	Potassium carbonate	584-08-7	1	1	*5							
1186	Carbonic acid diethyl	105-58-8	1	1	*5							
1187	Diphenyl carbonate	102-09-0	1	1	*5							
1188	Dimethyl carbonate	616-38-6	1	0.1	*5							
1189	Sodium carbonate	497-19-8	1	1	*4				●eye			1
1190	Barium carbonate	513-77-9	1	1	*4							
1191	Propylene carbonate	108-32-7	1	1	*5							
1192	Lithium carbonate	554-13-2	0.3	0.1	*3							
1193	2-(1,3-Thiazol-4-yl)-1H-benzoimidazole	148-79-8	0.3	0.1	*3							
1194	Thioacetamide	62-55-5	1	0.1	*4							
1195	Thioanisole	100-68-5	1	1	*5							
1196	Thiouracil	141-90-2	1	0.1	*4							
1197	2-Thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine (Dazomet)	533-74-4	0.3	0.1	*3							
1198	2-Ethylhexyl thioglycolate	7659-86-1	1	0.1	*4				●			1
1199	2-[(Thiocyanatomethyl)sulfanyl]-1,3-benzothiazole	21564-17-0	1	0.1	*4				●			1
1200	Ammonium thiocyanate	1762-95-4	1	1	*4							
1201	Potassium thiocyanate	333-20-0	1	1	*4							
1202	Sodium thiocyanate	540-72-7	1	1	*4							
1203	Temephos	3383-96-8	1	1	*3					●		1
1204	3,3'-Thiodipropionic acid	111-17-1	1	1	*4				●			1
1205	Thiosemicarbazide	79-19-6	1	1	*5							
1206	Thiourea	62-56-6	1	0.1	*3				●			1
1207	4,4'-Thiobis(6-tert-butyl-3-methylphenol)	96-69-5	1	1	*3							
1208	Thiophenol	108-98-5	1	0.1	*3					●		1
1209	Thiophene	110-02-1	1	1	*5							
1210	O,O-Dimethyl S-[2-(ethylsulfinyl)ethyl] phosphorothioate (Oxydemeton-methyl)	301-12-2	1	0.1	*4							
1211	O-1-(4-Chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate (Pyraclofos)	77458-01-6	1	1	*4							
	Pyraclofos, solution	89784-60-1	1	1	*4							
1212	O-4-Cyanophenyl O,O-dimethyl phosphorothioate (Cyanophos)	2636-26-2	1	1	*4							
1213	O,O-Diethyl-O-(2-isopropyl-6-methyl-4-pyrimidinyl) thiophosphate (Diazinon)	333-41-5	0.3	0.1	*3	◇0.01mg/m^3 (8hrs)			●	●		0.3
1214	O,O-Diethyl-ethylthioethyl thiophosphate (Demeton)	8065-48-3	1	1	*3					●		1
1215	O,O-Diethyl O-6-oxo-1-phenyl-1,6-dihydro-3-pyridazinyl phosphorothioate	119-12-0	1	1	*3					●		1
1216	O,O-Diethyl O-2-quinoxalinyl phosphorothioate (Quinalphos)	13593-03-8	1	1	*4							
1217	O,O-Diethyl O-(3,5,6-trichloro-2-pyridyl) thiophosphate (Chlorpyrifos)	2921-88-2	1	1	*3					●		1
1218	O,O-Diethyl O-(2-pyrazinyl) thiophosphate	297-97-2	1	1	*3					●		1
1219	O,O-Diethyl O-5-phenyl-3-isoxazolyl phosphorothioate (Isoxathion)	18854-01-8	1	1	*4							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1220	Phosphorothioic acid O,O-diethyl O-(4-methylsulfinylphenyl) (fensulfothion)	115-90-2	1	1	*3					●		1
1221	O-2,4-Dichlorophenyl O,O-diethyl phosphorothioate	97-17-6	1	0.1	*4				●			1
1222	O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel)	299-84-3	0.3	0.1	*3							
1223	O,O-Dimethyl S-2-[1-(N-methylcarbamoyl)ethylthio]ethyl phosphorothioate (Vamidothion)	2275-23-2	1	1	*4							
1224	O,O-Dimethyl-O-(3-methyl-4-nitrophenyl) thiophosphate (Fenitrothion)	122-14-5	1	0.1	*3				●	●		1
1225	O,O-Dimethyl O-(3-methyl-4-methylthiophenyl) phosphorothioate (Fenthion)	55-38-9	1	0.1	*3					●		1
1226	O-3,5,6-Trichloro-2-pyridyl O,O-dimethyl phosphorothioate (Chlorpyrifos-methyl)	5598-13-0	1	0.1	*4							
1227	O-4-Bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate	41198-08-7	1	0.1	*4				●			1
1228	S-Benzyl O,O-diisopropyl phosphorothioate (Iprobenfos)	26087-47-8	1	0.1	*4				●			1
1229	Titanium (powder)	7440-32-6	1	1	*5							
1230	Tetra-n-butoxytitanium	5593-70-4	1	1	*5							
1231	Tetraisopropoxytitanium	546-68-9	1	1	*5							
1232	Nitrogen (limited to high pressure gas)	7727-37-9	1	1	*5							
1233	Spinosad (Mixture of Spinosyn A and Spinosyn D)	168316-95-8	1	1	*4							
1234	Dec-1-ene (1-Decene)	872-05-9	1	1	*4							
1235	Chlordecone	143-50-0	1	0.1	*4				●	●		1
1236	1-Decanal	112-31-2	1	1	*5							
1237	Decahydronaphthalene	91-17-8	1	1	*4				●			1
1238	Decaborane(14)	17702-41-9	1	1	*3					●		1
1239	2,2,4,4,6,6,8,8,10,10-Decamethylcyclopentasiloxane	541-02-6	1	1	*5							
1240	Decane	124-18-5	1	1	*4							
1241	Decanoic acid	334-48-5	1	1	*4				●eye			1
1242	Methyl decanoate	110-42-9	1	1	*5							
1243	Dextran-iron complex	9004-66-4	0.1	0.1	*3							
1244	Decylbenzenesulfonic acid (C10)	31093-47-7	1	1	*5							
	Sodium decylbenzenesulfonate (C10)	1322-98-1	1	1	*5							
1245	1,3,5,7-Tetraazatricyclo[3.3.1.1(3,7)]decane	100-97-0	1	0.1	*4				●			1
1246	1,4,5,8-Tetraaminoanthraquinone (Disperse Blue 1)	2475-45-8	1	0.1	*3				●			1
1247	Tetraethylthiuram disulfide (Disulfiram)	97-77-8	1	0.1	*3	◇2mg/m^3 (8hrs)			●			1
1248	Tetraethyl pyrophosphate (TEPP)	107-49-3	1	1	*3	◆0.01mg/m^3 (8hrs)				●		1
1249	Tetraethoxysilane	78-10-4	1	1	*3							
1250	2,5,8,11-Tetraoxadodecane (Triethylene glycol dimethyl ether)	112-49-2	1	0.1	*5							
1251	Tetrachloroisophthalonitrile (Chlorothalonil)	1897-45-6	1	0.1	*4				●			1
1252	1,1,1,2-Tetrachloroethane	630-20-6	1	0.1	*5							
1253	1,1,2,2-Tetrachloroethane (Acethylene tetrachloride)	79-34-5	1	0.1	*3	▼1ppm		●			●	1
1254	(N-(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide) (Captafol)	2425-06-1	0.1	0.1	*3		1B		●	●		0.1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1255	Tetrachloroethylene	127-18-4	0.1	0.1	*3	▼25ppm		●			●	1
1256	1,1,2,2-Tetrachloro-1,2-difluoroethane (CFC-112)	76-12-0	1	1	*3	◆50ppm (8hrs)						
1257	Tetrachlorosilane	10026-04-7	1	1	*4				●			1
1258	Tetrachloronaphthalene	1335-88-2	1	1	*3							
1259	2,3,5,6-Tetrachloro-p-benzoquinone	118-75-2	1	1	*4				●eye			1
1260	2,3,5,6-Tetrachloropyridine	2402-79-1	1	1	*5							
1261	2,3,4,6-Tetrachlorophenol	58-90-2	1	1	*5							
1262	1,2,3,4-Tetrachlorobenzene	634-66-2	0.3	0.1	*3							
1263	1,2,4,5-Tetrachlorobenzene	95-94-3	1	0.1	*4							
1264	Tetrachlorophthalic anhydride	117-08-8	1	0.1	*4				●			1
1265	Tetrazole	288-94-8	1	1	*5							
1266	Guanylnitrosaminoguanylidene hydrazine	31330-63-9	1	1	*5							
1267	Tetradecylbenzenesulphonic acid (C14)	30776-59-1	1	1	*5							
	Sodium tetradecylbenzenesulphonate (C14)	28348-61-0	1	1	*5							
1268	Tetrasodium 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	72-57-1	1	0.1	*3							
1269	Tetrasodium 3,3'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	2429-74-5	1	0.1	*3							
1270	Tetranitromethane	509-14-8	1	0.1	*3							
1271	3a,4,7,7a-Tetrahydro-1H-indene	3048-65-5	1	0.1	*5							
1272	5,5-Dimethyl-perhydro-pyrimidin-2-one alpha-(4-trifluoromethylstyryl)-alpha-(4-trifluoromethyl)cinnamylidenehydrazone	67485-29-4	1	0.1	*5							
1273	Tetrahydrothiophene	110-01-0	1	1	*5							
1274	Tetrahydrothiophene-1,1-dioxide (Sulfolane)	126-33-0	1	0.1	*5							
1275	1,2,3,4-Tetrahydronaphthalene	119-64-2	1	1	*5							
1276	Tetrahydropyran	142-68-7	1	1	*5							
1277	2,3,5,6-Tetrahydro-6-phenyl-imidazo[2,1-b]thiazole	6649-23-6	1	1	*4							
	Levamisole hydrochloride	16595-80-5	1	1	*4							
1278	Tetrahydrofuran	109-99-9	1	0.1	*3	▼50ppm				●		1
1279	Tetrahydrofurfuryl alcohol	97-99-4	1	0.1	*5							
1280	6-Acetyl-1,1,2,4,4,7-Hexamethyltetralin, solution	1506-02-1	1	1	*5							
	6-Acetyl-1,1,2,4,4,7-Hexamethyltetralin	21145-77-7	1	1	*5							
1281	Sodium borohydride	16940-66-2	1	1	*4				●			1
1282	Tetrahydromethylphthalic anhydride	11070-44-3	1	0.1	*3				●	●		1
1283	Tetrabutylphosphonium bromide	3115-68-2	1	1	*5							
1284	1,1,1,2-Tetrafluoroethane	811-97-2	1	1	*5							
1285	Tetrafluoroethylene	116-14-3	0.1	0.1	*3		1B					
1286	Magnesium tetrafluoroborate(1-)	14708-13-5	1	1	*4							
1287	Tetrafluoromethane	75-73-0	1	1	*5							
1288	2,3,5,6-Tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate (Tefluthrin)	79538-32-2	1	1	*3							
1289	1,1,2,2-Tetrabromoethane	79-27-6	1	1	*3							
1290	Tetrabromodiphenyl ether	40088-47-9	1	1	*4							
1291	Carbon tetrabromide	558-13-4	1	1	*3				●eye			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1292	Tetramethylammonium chloride	75-57-0	1	1	*4							
1293	Tetramethylammonium hydroxide	75-59-2	1	1	*4				●			1
1294	N,N,N',N'-Tetramethylethylenediamine	110-18-9	1	1	*4				●			1
1295	Tetramethyl succinonitrile	3333-52-6	1	1	*3					●		1
1296	3,7,9,13-Tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione (Thiodicarb)	59669-26-0	1	0.1	*4							
1297	Tetramethylsilane	75-76-3	1	1	*5							
1298	Tetramethyl thiuram disulfide (Thiuram)	137-26-8	0.1	0.1	*3	◇0.2mg/m^3 (8hrs)			●			1
1299	Tetramethylthiuram monosulfide	97-74-5	1	0.1	*4				●			1
1300	2,4,6,8-Tetramethyl-1,3,5,7-tetraoxacyclooctane (Metaldehyde)	108-62-3	1	1	*4							
1301	Tetramethylurea	632-22-4	0.3	0.1	*3							
1302	2,2,6,6-Tetramethylpiperidin-4-ol	2403-88-5	1	0.1	*4				●			1
1303	2,2,6,6-Tetramethylpiperidin-4-one	826-36-8	1	0.1	*4				●			1
1304	2,3,5,6-Tetramethylpyrazine	1124-11-4	1	1	*5							
1305	4-(2,4,4-Trimethylpentan-2-yl)phenol	140-66-9	1	0.1	*5				●eye			1
1306	3,7,11,15-Tetramethylhexadec-1-en-3-ol	505-32-8	1	0.1	*5							
1307	N,N,N',N'-Tetramethyl-1,6-hexamethylenediamine	111-18-2	1	1	*5							
1308	Tetramethyl silicate	681-84-5	1	1	*3				●eye			1
1309	N-methyl-N,2,4,6-tetranitroaniline	479-45-8	1	0.1	*3				●			1
1310	Terpinolene	586-62-9	1	1	*4							
1311	Terphenyl	26140-60-3	1	1	*3							
1312	Turpentine oil	8006-64-2	1	0.1	*3				●			1
1313	Terephthalic Acid	100-21-0	1	1	*3							
1314	Dimethyl terephthalate	120-61-6	1	1	*5							
1315	Kerosine	8008-20-6	1	0.1	*3					●		1
1316	Mirex	2385-85-5	1	0.1	*4							
1317	Dodecan-1-ol	112-53-8	1	1	*4							
1318	n-Dodecane	112-40-3	1	1	*4							
1319	n-Dodecyl mercaptan	112-55-0	1	0.1	*4				●			1
1320	Dodecylguanidinium acetate (Dodine)	2439-10-3	1	1	*4				●eye			1
1321	2-(N-Dodecyl-N,N-dimethylammonio)acetate	683-10-3	1	1	*5							
1322	Dodecylbenzenesulphonic acid	27176-87-0	1	1	*4				●eye			1
1323	Ammonium dodecylbenzenesulphonate (C12)	1331-61-9	1	1	*5							
	Sodium dodecylbenzenesulphonate (C12)	25155-30-0	1	1	*5							
1324	Sodium dodecyl sulfate	151-21-3	1	1	*4				●eye			1
1325	Dodec-1-ene (1-Dodecene)	112-41-4	1	1	*4							
1326	(1'S,6'R)-7-Chloro-2',4,6-trimethoxy-6'-methyl-3H-spiro[benzofuran-2,1'-cyclohex[2]ene]-3,4'-dione	126-07-8	0.1	0.1	*3							
1327	trans-N-(6-Chloro-3-pyridylmethyl)-N'-cyano-N-methylacetamidine	160430-64-8	1	1	*4							
1328	trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole	25962-77-0	1	0.1	*5							
1329	3,6,9-Triazaundecamethylenediamine (Tetraethylenepentamine)	112-57-2	1	0.1	*4				●			1
1330	Melamine	108-78-1	1	0.1	*4							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1331	1,2,4-Triazole	288-88-0	1	0.1	*5							
1332	Triallylamine	102-70-5	1	1	*5							
1333	1,1',1"-Nitrilotripropan-2-ol (Triisopropanolamine)	122-20-3	1	1	*5							
1334	Thorium dioxalate	2040-52-0	0.1	0.1	*3		1B					
1335	Triethanolamine	102-71-6	1	0.1	*3	◆1mg/m^3 (8hrs)			●			1
1336	2-sec-Butyl-4,6-dinitrophenol, compound with 2,2',2"-nitrilotriethanol (1:1)	6420-47-9	1	1	*5							
1337	Triethylamine	121-44-8	1	1	*3				●	●		1
1338	Triethylborane	97-94-9	1	1	*4				●			1
1339	Triethylene glycol monobutyl ether	143-22-6	1	1	*5							
1340	Thiotepa	52-24-4	0.1	0.1	*3		1A					
1341	Triethoxymethane	122-51-0	1	1	*5							
1342	1,3,5-Trioxan (Trioxymethylene)	110-88-3	1	1	*4							
1343	Trichloroacetaldehyde (Chloral)	75-87-6	0.1	0.1	*3		1B					
1344	Trichloroacetonitrile	545-06-2	1	1	*5							
1345	2,3,6-Trichlorobenzoic acid	50-31-7	1	1	*5							
1346	1,1,1-Trichloroethane	71-55-6	0.1	0.1	*3	▼200ppm	1B			●		0.1
	1,1,2-Trichloroethane	79-00-5	1	0.1		◆1ppm (8hrs)				●		1
1347	Chloral hydrate	302-17-0	0.1	0.1	*3		1B		●			1
1348	Trichloroethylsilane	115-21-9	1	1	*4				●			1
1349	Trichloroethylene	79-01-6	0.1	0.1	*3	▼10ppm		●			●	1
1350	Trichloroacetic acid	76-03-9	1	0.1	*3	◇0.5ppm (8hrs)			●			1
1351	Sodium 2,2,2-trichloroacetate	650-51-1	1	0.1	*5							
1352	Trichlorosilane	10025-78-2	1	1	*4				●			1
1353	2,4,6-Trichloro-1,3,5-triazine	108-77-0	1	0.1	*4				●			1
1354	1,3,5-Trichloro-1,3,5-triazine-2,4,6-trione (1,3,5-Trichloroisocyanuric acid (Symclosene))	87-90-1	1	1	*4				●eye			1
1355	1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113, R113)	76-13-1	1	1	*3	◆500ppm (8hrs)						
1356	Trichloronaphthalene	1321-65-9	1	1	*3					●		1
1357	2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol (Dicofol)	115-32-2	1	0.1	*4							
1358	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (DDT)	50-29-3	0.1	0.1	*3		1B					
1359	1,1,1-Trichloro-2,2-bis(4-methoxyphenyl)ethane (Methoxychlor)	72-43-5	0.3	0.1	*3	◆1mg/m^3 (8hrs)				●		0.3
1360	Trichloro(vinyl)silane	75-94-5	1	1	*4				●			1
1361	(3,5,6-Trichloro-2-pyridyl)oxyacetic acid	55335-06-3	1	1	*5							
1362	Trichlorophenylsilane	98-13-5	1	1	*3				●			1
1363	2,4,5-Trichlorophenoxyacetic acid	93-76-5	0.3	0.1	*3	◆2mg/m^3 (8hrs)				●		0.3
1364	2-(4-Chloro-2-methylphenoxy)propionic acid (MCPP)	93-72-1	1	0.1	*4							
1365	2,4,5-Trichlorophenol	95-95-4	1	0.1	*5							
1366	2,4,6-Trichlorophenol	88-06-2	1	0.1	*4							
1367	2,3,4-Trichloro-1-butene	2431-50-7	1	0.1	*4					●		1
1368	Trichloro(fluoro)methane (CFC11)	75-69-4	1	0.1	*3							
1369	1,2,3-Trichloropropane	96-18-4	0.1	0.1	*3	★	1B			●		0.1
1370	1,2,3-Trichlorobenzene	87-61-6	1	1	*5					●		1
1371	1,2,4-Trichlorobenzene	120-82-1	1	0.1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1372	1,3,5-Trichlorobenzene	108-70-3	1	1	*5					●		1
1373	Trichloro(methyl)silane	75-79-6	1	1	*4				●			1
1374	Trichloromethylsulfenyl chloride	594-42-3	1	1	*3				●eye			1
1375	N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide (Captan)	133-06-2	1	0.1	*3				●			1
1376	N-(Trichloromethylthio)phthalimide (Folpet)	133-07-3	1	0.1	*4				●			1
1377	Triallyl cyanurate	101-37-1	1	1	*5							
1378	1,3,5-tris(2,3-Epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (Triglycidyl isocyanurate)	2451-62-9	0.1	0.1	*3				●			1
1379	2,4,6-tris(Dimethylaminomethyl)phenol	90-72-2	1	1	*4				●			1
1380	Ferbam	14484-64-1	1	0.1	*3							
1381	1,3,5-tris-2'-Propenylisocyanuric acid	1025-15-6	1	1	*4							
1382	2,4,6-Tri-tert-butylphenol	732-26-3	1	1	*5							
1383	1,3,5-Tri-tert-butylbenzene	1460-02-2	1	0.1	*5							
1384	1,2,5-Trithiepin-3,4,6,7-tetracarbonitrile	49561-89-9	1	1	*5							
1385	Tridecylbenzenesulphonic acid (C13)	25496-01-9	1	1	*5							
	Sodium tridecylbenzenesulphonate (C13)	26248-24-8	1	1	*5							
1386	Trinitrobenzoic acid	129-66-8	1	1	*5							
1387	2,4,6-Trinitrotoluene	118-96-7	0.1	0.1	*3	◆0.05mg/m^3 (8hrs)	1B		●	●Limited to 118-96-7 (2,4,6-Trinitrotoluene)		0.1
1388	1,3,5-Trinitrobenzene	99-35-4	1	0.1	*4				●			1
1389	Trinitroresorcinol	82-71-3	1	1	*5							
1390	Lead styphnate	15245-44-0	0.1	0.1	*3		1B					
1391	Pyrogallol	87-66-1	1	1	*4							
1392	Triphenylphosphine	603-35-0	1	0.1	*4				●			1
1393	Triphenylphosphine oxide	791-28-6	1	1	*5							
1394	Trypsin	9002-07-7	1	0.1	*4				●			1
1395	Tributylamine	102-82-9, others	1	1	*3 Including alkyl isomers							
1396	S,S,S-Tributylphosphorotrithioate	78-48-8	1	1	*5							
1397	Tributylphosphine	998-40-3	1	1	*5							
1398	1,1,1-Trifluoroethane	420-46-2	1	1	*5							
1399	Trifluoroethanol	75-89-8	1	1	*5							
1400	Trifluoroacetic acid	76-05-1	1	1	*4				●			1
1401	Trifluoromethane	75-46-7	1	1	*5							
1402	Trifluoromethanesulphonic acid	1493-13-6	1	1	*5							
1403	(Trifluoromethyl)benzene	98-08-8	1	1	*5							
1404	Trifluoroiodomethane (Trifluoromethyl iodide)	2314-97-8	1	1	*5							
1405	Tripropylamine	102-69-2	1	1	*5							
1406	(1-Methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	42978-66-5	1	0.1	*4				●			1
1407	2,4,6-Tribromophenol	118-79-6	1	0.1	*4				●			1
1408	Tribromomethane	75-25-2	1	0.1	*3	◆0.5ppm (8hrs)						
1409	2-Trimethylacetyl-1,3-indandione (Pindone)	83-26-1	1	1	*3							
1410	2,4,6-Trimethylaniline	88-05-1	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1411	2,4,5-Trimethylaniline	137-17-7	1	0.1	*5							
	2,4,5-Trimethylaniline hydrochloride	21436-97-5	1	1								
1412	Trimethylamine	75-50-3	1	1	*3	◆3ppm (8hrs)			●			1
1413	1,3,3-Trimethyl-2-oxabicyclo[2.2.2]octane (1,8-Epoxy-p-menthane)	470-82-6	1	1	*5							
1414	Trimethyl(octadecan-1-yl)ammonium chloride	112-03-8	1	1	*5							
1415	Caffeine	58-08-2	0.3	0.1	*3							
1416	Trimethylsilanol	1066-40-6	1	1	*5							
1417	Trimethylthiourea	2489-77-2	1	0.1	*5							
1418	2,3,5-Trimethylhydroquinone	700-13-0	1	1	*4				●			1
1419	Borneol	507-70-0	1	1	*5							
1420	2,3,5-Trimethylpyrazine	14667-55-1	1	1	*5							
1421	2,4,6-Trimethylpyridine (2,4,6-Collidine)	108-75-8	1	1	*4							
1422	2,3,6-Trimethylphenol	2416-94-6	1	1	*5							
1423	2,4,6-Trimethylphenol	527-60-6	1	1	*5							
1424	3,5,5-Trimethylhexanal	5435-64-3	1	1	*5							
1425	3,5,5-Trimethyl-1-hexanol	3452-97-9	1	0.1	*5							
1426	Trimethylbenzene	25551-13-7	1	1	*3	◆10ppm (8hrs)						
1427	2,4,4-Trimethylpent-1-ene	107-39-1	1	1	*5							
1428	2,4,4-Trimethylpent-2-ene	107-40-4	1	1	*5							
1429	2,2,4-Trimethylpentane-1,3-diol monoisobutyrate (Texanol)	25265-77-4	1	1	*5							
1430	Trimethylenediaminetetraacetic acid	1939-36-2	1	1	*5							
1431	2,2-bis(Acryloyloxymethyl)butyl acrylate (Trimethylolpropane triacrylate)	15625-89-5	0.3	0.1	*3				●			1
1432	Vinyltrimethoxysilane	2768-02-7	1	1	*5				●			1
1433	2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine (Trimethoprim)	738-70-5	0.3	0.1	*3							
1434	Trimethoxy(methyl)silane	1185-55-3	1	1	*5							
1435	Methyl-1,3-phenylene diisocyanate (isomer mixture)	26471-62-5, others	1	0.1	*3	▼0.005ppm					●	1
1436	Toluidine	26915-12-8	0.1	0.1	*3							1
	o-Toluidine	95-53-4	0.1	0.1	*3	▼95-53-4 (o-Toluidine) 1ppm		●			●	1
	m-Toluidine	108-44-1	0.1	0.1	*3					●		1
	p-Toluidine	106-49-0	0.1	0.1	*3				●	●		1
1437	Toluene	108-88-3	0.3	0.1	*3	▼20ppm				●		0.3
1438	Tolylenediamine	25376-45-8	1	0.1	*4				●			1
	p-Toluylenediamine	95-70-5	1	0.1	*4				●			1
	2,6-Toluenediamine	823-40-5	1	0.1	*4							1
1439	Toluene-2,4-diammonium sulfate	65321-67-7	1	0.1	*4				●			1
1440	Sodium dehydroacetate	4418-26-2	1	1	*5							
1441	Sodium picramate	831-52-7	1	1	*5							
1442	Sodium salt of hydroxyalkanesulfonic acid (C=14-16) and alkenesulfonic acid (C=14-16) and those mixtures	68439-57-6	1	0.1	*5							
1443	Sodium 2,4-dinitrophenolate	1011-73-0	1	1	*5							
1444	Sodium p-nitrophenolate	824-78-2	1	1	*5							
1445	Sodium salt of bis(2-ethylhexyl) sulfosuccinate	577-11-7	1	0.1	*5							
1446	Sodium 1,1'-biphenyl-2-olate	132-27-4	1	0.1	*4				●			1
1447	Sodium valproate	1069-66-5	0.3	0.1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1448	Sodium methanolate (Sodium methoxide)	124-41-4	1	1	*4				●			1
1449	Naphthalene	91-20-3	1	0.1	*3	▼10ppm		●			●	1
1450	1,5-Naphthylene diisocyanate	3173-72-6	1	0.1	*4				●			1
1451	1,4-Naphthoquinone	130-15-4	1	1	*3							
1452	2-Naphthalenethiol	91-60-1	1	1	*5							
1453	1-Naphthylthiourea	86-88-4	1	1	*3					●		1
1454	1-Naphthyl N-methylcarbamate (Carbaryl)	63-25-2	0.1	0.1	*3	◇0.5mg/m^3 (8hrs)	1B			●		0.1
1455	1-Naphthol	90-15-3	1	1	*4				●			1
1456	Narasin	55134-13-9	1	1	*5							
1457	Hexane-1,6-diyl diacrylate	13048-33-4	1	0.1	*4				●			1
1458	Disodium pyrosulfite	7681-57-4	1	0.1	*3				●			1
1459	Sulphur dichloride	10545-99-0	1	1	*4				●			1
1460	3-(1-Methyl-2-pyrrolidinyl)pyridine (Nicotine)	54-11-5	1	0.1	*3				●	●		1
1461	Sulfur dioxide	7446-09-5	1	1	*3						●	1
1462	Chlorine dioxide	10049-04-4	0.3	0.1	*3							
1463	Carbon dioxide	124-38-9	1	1	*5							
1464	Thiourea dioxide	1758-73-2	1	0.1	*4							
1465	Nitrogen dioxide	10102-44-0	1	0.1	*3	◆0.2ppm (8hrs)						
1466	Propylene dinitrate	6423-43-4	1	1	*3					●		1
1467	Nitrilotriacetic acid	139-13-9	1	0.1	*3							
1468	Trisodium 2,2',2"-nitrilotriacetate	5064-31-3	1	0.1	*5							
1469	5-Nitroacenaphthene	602-87-9	1	0.1	*3							
1470	Nitroethane	79-24-3	1	1	*3	◆10ppm (8hrs)						
1471	4-Nitro-o-phenylenediamine monohydrochloride	53209-19-1	1	0.1	*4				●			1
1472	Nitroguanidine	556-88-7	1	1	*5							
1473	Nitroglycol	628-96-6	1	1	*3	▼0.05ppm					●	1
1474	Nitroglycerin	55-63-0	–	–	*3 For products desensitized with non-volatile and water-insoluble desensitizers of 98% or more, the cut off value for a label is 1% and for an SDS 0.1%.	◆0.01ppm (8hrs)			●	●		1
1475	6-Nitrochrysene	7496-02-8	0.1	0.1	*3		1B					
1476	4-Nitrodiphenylamine	836-30-6	1	1	*4							
1477	Nitrocellulose	9004-70-0	–	–	*3							
1478	N-Nitrosodiethanolamine	1116-54-7	1	0.1	*5					●		1
1479	N-Nitrosodiphenylamine	86-30-6	1	0.1	*5							
1480	N-Nitrosodi-n-butylamine	924-16-3	1	0.1	*5							
1481	Nitrosodipropylamine	621-64-7	1	0.1	*5							
1482	N-Nitrosopiperidine	100-75-4	1	0.1	*5							
1483	N-Nitrosopyrrolidine	930-55-2	1	0.1	*5							
1484	Ammonium N-nitrosophenylhydroxylamine (Cupferron)	135-20-6	0.1	0.1	*3		1B					

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1485	3-(N-Nitrosomethylamino)propiononitrile	60153-49-3	1	0.1	*5							
1486	N-Nitrosomorpholine	59-89-2	1	0.1	*3					●		0.1
1487	Nitrotoluene	1321-12-6	0.1	0.1	*3							
	2-Nitrotoluene	88-72-2	0.1	0.1			1B			●		0.1
	3-Nitrotoluene	99-08-1	1	0.1						●		1
	4-Nitrotoluene	99-99-0	1	1								
1488	2-Nitronaphthalene	581-89-5	1	1	*5							
1489	1-Nitropyrene	5522-43-0	0.1	0.1	*3		1B					
1490	4-Nitropyrene	57835-92-4	1	0.1	*5							
1491	1-(4-Nitrophenyl)-3-(3-pyridylmethyl)urea	53558-25-1	1	1	*3							
1492	2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712-68-5	1	0.1	*5							
1493	3-bis(Hydroxymethyl)amino-6-［2-(5-nitro-2-furyl)vinyl］-1,2,4-triazine (Panfuran-S)	794-93-4	1	0.1	*5							
1494	1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone	555-84-0	1	0.1	*5							
1495	N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531-82-8	1	0.1	*5							
1496	2-Nitrofluorene	607-57-8	1	0.1	*5							
1497	1-Nitropropane	108-03-2	1	1	*3	◆2ppm (8hrs)				●		1
	2-Nitropropane	79-46-9	0.1	0.1			1B					
1498	Nitrobenzene	98-95-3	0.3	0.1	*3	◇0.1ppm (8hrs)				●		0.3
1499	Sodium 3-nitrobenzenesulphonate	127-68-4	1	0.1	*4				●			1
1500	4-Nitro-m-cresol	2581-34-2	1	1	*4				●eye			1
1501	Nitromethane	75-52-5	1	0.1	*3	◆10ppm (8hrs)						
1502	Disodium ethylenedicarbamodithioate (Nabam)	142-59-6	0.3	0.1	*3				●			1
1503	Endothal disodium salt	129-67-9	1	1	*5							
1504	Sodium 3,3'-[(1,1'-biphenyl-4,4'-diyl)bis(azo)]bis(4-aminonaphthalene-1-sulfonate) (Direct Red 28)	573-58-0	1	0.1	*5							
1505	Lactic acid (DL-, L-, D-)	50-21-5	1	1	*4				●			1
	Lactic acid (DL-, L-, D-)	598-82-3	1	1	*4				●			1
	Lactic acid (DL-, L-, D-)	79-33-4	1	1	*4				●			1
	Lactic acid (DL-, L-, D-)	10326-41-7	1	1	*4				●			1
1506	Ethyl lactate	97-64-3	1	1	*5							
1507	n-Butyl lactate	138-22-7	1	1	*3							
1508	Methyl lactate	547-64-8	1	1	*5							
1509	Carbon disulfide	75-15-0	0.3	0.1	*3	▼1ppm				●		0.3
1510	Noscapine	128-62-1	1	1	*5							
1511	Non-1-ene (1-Nonene)	124-11-8	1	1	*4							
1512	1-Nonanal	124-19-6	1	1	*5							
1513	Nonan-1-ol	143-08-8	1	1	*5							
1514	3,3,4,4,5,5,6,6,6-Nonafluoro-1-hexene	19430-93-4	1	1	*5							
1515	n-Nonane	111-84-2, others	1	1	*3 Including alkyl isomers	◆111-84-2 (n-Nonane) 200ppm (8hrs)						
1516	Nonanoic acid	112-05-0	1	1	*5							
1517	26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol (Nonoxynol-9 (p-form))	14409-72-4	1	1	*4				●eye			1
1518	11-(4-Nonylphenoxy)-3,6,9-trioxaundecan-1-ol (Nonoxynol-4 (p-form))	7311-27-5	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1519	Nonylphenol	25154-52-3	1	0.1	*4				●			1
1520	4-Nonylphenol (branched)	84852-15-3	1	0.1	*4				●			1
1521	n-Butylamine	109-73-9	0.3	0.1	*3				●	●		0.3
1522	n-Butyl ethyl ketone	106-35-4	1	1	*3	◆70ppm (8hrs)						
1523	n-Butyl 2,3-epoxypropyl ether	2426-08-6	0.1	0.1	*3	★	1B		●	●		0.1
1524	Methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate (Benomyl)	17804-35-2	0.1	0.1	*3	◇1mg/m^3 (8hrs)			●			1
1525	Oleum	8014-95-7	0.1	0.1	*3		1A		●			1
1526	p-Anisidine	104-94-9	1	1	*3	◆0.5mg/m^3 (8hrs)				●		1
1527	p-Anisaldehyde	123-11-5	1	0.1	*5							
1528	Ethyl p-aminobenzoate	94-09-7	1	0.1	*4				●			1
1529	p-Aminophenol	123-30-8	1	0.1	*4				●			1
1530	4-Aminobenzenesulfonic acid	121-57-3	1	0.1	*4				●			1
1531	2,4,6-Trimethyl-1,3,5-trioxan (Paraldehyde)	123-63-7	1	1	*4							
1532	4-Ethylphenol	123-07-9	1	1	*4				●eye			1
1533	4'-Ethoxyacetanilide (Phenacetin)	62-44-2	0.1	0.1	*3		1A					
1534	p-Octylphenol	1806-26-4	1	1	*5							
1535	p-Chloroacetophenone	99-91-2	1	1	*5							
1536	p-Chloroaniline	106-47-8	1	0.1	*3				●	●		1
1537	p-Chloro-alpha,alpha,alpha-trifluorotoluene	98-56-6	0.1	0.1	*3		1B		●			1
1538	p-Chlorobenzoic acid	74-11-3	1	1	*5							
1539	4-Chlorotoluene	106-43-4	0.3	0.1	*3				●			1
1540	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	107534-96-3	1	0.1	*5							
1541	alpha,4-Dichlorotoluene	104-83-6	1	0.1	*4				●			1
1542	p-Dibromobenzene	106-37-6	1	1	*4							
1543	p-Dimethylaminoazobenzene	60-11-7	1	0.1	*3			●			●	1
1544	p-Cymene	99-87-6	1	1	*5							
1545	p-sec-Butylphenol	99-71-8	1	1	*4				●			1
1546	p-tert-Butylbenzoic acid	98-73-7	0.3	0.1	*3					●		0.3
1547	p-tert-Butyltoluene	98-51-1	0.3	0.1	*3	◇1ppm (8hrs)						
1548	p-Toluenesulfonohydrazide	1576-35-8	1	1	*5							
1549	Methyl p-toluenesulfonate	80-48-8	1	1	*5							
1550	p-Nitroaniline	100-01-6	1	0.1	*3	◆3mg/m^3 (8hrs)				●		1
1551	p-Nitrobenzoic acid	62-23-7	0.3	0.1	*3							
1552	p-Nitrochlorobenzene	100-00-5	1	0.1	*3	▼0.6mg/m^3					●	5
1553	p-Nitrophenol	100-02-7	1	1	*4				●eye			1
1554	4-aminoazobenzene	60-09-3	1	0.1	*3				●			1
1555	p-Phenetidine	156-43-4	1	0.1	*4				●			1
1556	p-Bromophenol	106-41-2	1	0.1	*5							
1557	p-Benzoquinone (p-Quinone)	106-51-4	1	0.1	*3				●			1
1558	p-Benzoquinone dioxime	105-11-3	1	1	*5							
1559	p-Methylacetophenone	122-00-9	1	1	*5							
1560	p-Methylbenzyl chloride	104-82-5	1	1	*5							
1561	p-Methoxynitrobenzene (p-Nitroanisole)	100-17-4	0.1	0.1	*3		1B					

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1562	p-Methoxyphenol	150-76-5	1	0.1	*3				●			1
1563	Palygorskite	12174-11-7	1	0.1	*4							
1564	Calcium halofuginone polystyrenesulfonate)	*2	1	1	*5							
1565	1,3-Butadiene diepoxide	1464-53-5	0.1	0.1	*3							
1566	Picric acid	88-89-1	–	–	*3				●	●		1
1567	Ammonium picrate	131-74-8	1	0.1	*4				●			1
1568	Amorphous silica (silica gel, precipitated silica)	112926-00-8	1	1	*5							
1569	Triethylenetetramine	112-24-3	1	0.1	*4				●			1
1570	4,4'-Methylenebis(cyclohexan-1-amine)	1761-71-3	1	0.1	*4				●			1
1571	1,3-bis(Aminomethyl)cyclohexane	2579-20-6	1	1	*4				●			1
1572	2,4-bis(Ethylamino)-6-methylthio-1,3,5-triazine	1014-70-6	1	1	*5							
1573	bis(2-Ethylhexyl) hydrogen phosphate	298-07-7	1	1	*4				●			1
1574	2,2'-[Oxybis(methylene)]bisoxirane	2238-07-5	1	1	*3							
1575	1,3-bis(2,3-Epoxypropoxy)-2,2-dimethylpropane	17557-23-2	1	0.1	*4				●			1
1576	4,4'-bis(2,3-Epoxypropoxy)-3,3',5,5'-tetramethylbiphenyl (2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bis-oxirane)	85954-11-6	1	0.1	*4				●			1
1577	1,4-Butanediol diglycidyl ether	2425-79-8	1	0.1	*4				●			1
1578	1,3-bis[(2,3-Epoxypropyl)oxy]benzene	101-90-6	1	0.1	*3				●			1
1579	bis-[4-(2,3-Epoxipropoxi)phenyl]propane	1675-54-3	1	0.1	*4				●			1
1580	Dichloroisopropyl ether	108-60-1	1	1	*4							
1581	Chlorambucil	305-03-3	0.1	0.1	*3		1A					
1582	bis(2-Chloroethyl) ether	111-44-4	1	0.1	*3					●		1
1583	bis(2-Chloroethyl)sulfide, (Mustard gas)	505-60-2	0.1	0.1	*3		1A		●	●		0.1
1584	N,N-bis(2-Chloroethyl)-2-naphthylamine	494-03-1	0.1	0.1	*3		1A					
1585	1,3-bis(2-Chloroethyl)-1-nitrosourea (Carmustine)	154-93-8	0.1	0.1	*3		1B					
1586	bis(2-Chloroethyl)methylamine (Nitrogen mustard)	51-75-2	0.1	0.1	*3		1B		●	●		0.1
1587	N,N-bis(2-Chloroethyl)methylamine-N-oxide (Nitrogen mustard N-oxide)	126-85-2	0.1	0.1	*3							
1588	1,2-bis(2-Chloroethoxy)ethane	112-26-5	1	1	*5							
1589	3,6-bis(2-Chlorophenyl)-1,2,4,5-tetrazine	74115-24-5	1	0.1	*5							
1590	bis(3,4-Dichlorophenyl)diazene	14047-09-7	0.1	0.1	*3		1B					
1591	Ethion	563-12-2	1	1	*3					●		1
1592	2,2'-oxybis[N,N-dimethyl]-ethylamine	3033-62-3	1	1	*3				●			1
1593	bis(2-Dimethylaminoethyl)(methyl)amine	3030-47-5	1	1	*5							
1594	N,N,N',N'-tetramethyl-4,4'-benzylidenedianiline (Leucomalachite green)	129-73-7	1	0.1	*4							
1595	4,4'-bis(Dimethylamino)benzophenone	90-94-8	1	0.1	*5							
1596	bis[(Dimethylcarbamothioyl)sulfanyl]zinc (Ziram)	137-30-4	1	0.1	*4				●			1
1597	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate)	64440-88-6	1	1	*4				●eye			1
1598	bis(Hydrogenated tallow)dimethylammonium chloride	61789-80-8	1	0.1	*4				●eye			1
1599	1,1-bis(tert-Butylperoxy)cyclohexane	3006-86-8	1	1	*5							
1600	2,5-Dimethyl-2,5-di(tert-butylperoxy)hexyne-3	1068-27-5	1	1	*5							
1601	2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane	78-63-7	1	1	*5							
1602	1,1-bis(tert-Butylperoxy)-3,3,5-trimethylcyclohexane	6731-36-8	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1603	Zinc salt of 2-pyridinethiol 1-oxide (Zinc pyrithione)	13463-41-7	1	0.1	*4				●	●		0.3
1604	bis(2,2,6,6-Tetramethyl-4-piperidyl) sebacate	52829-07-9	1	1	*4				●eye			1
1605	bis(2,4,6-Trinitrophenyl)amine (Hexyl hexamine dipicrylamine)	131-73-7	1	1	*5							
1606	Dipicryl sulfide	2217-06-3	1	1	*5							
1607	Pentaerythrite tetranitrate	78-11-5	1	1	*5							
1608	Tetrabromobisphenol A	79-94-7	0.1	0.1	*3		1B					
1609	Mitoxantrone dihydrochloride	70476-82-3	0.3	0.1	*3							
1610	Coconut oil diethanolamine condensate	68603-42-9	1	0.1	*5							
1611	1,1-bis(4-Hydroxyphenyl)cyclohexane	843-55-0	1	0.1	*5							
1612	3,3-bis(4-Hydroxyphenyl)isobenzofuran-1(3H)-one	77-09-8	0.3	0.1	*3							
1613	bis(2-Phenoxyethyl) peroxydicarbonate	41935-39-1	1	1	*5							
1614	2,2-bis(Bromomethyl)propane-1,3-diol (Dibromoneopentyl glycol)	3296-90-0	1	0.1	*5							
1615	Bismuth	7440-69-9	1	1	*4							
1616	bis(1-Methyl-1-phenylethyl) peroxide	80-43-3	1	1	*4							
1617	S,S-bis(1-Methylpropyl) O-ethyl phosphorodithioate (Cadusafos)	95465-99-9	1	0.1	*3				●	●		1
1618	Hydrazine	302-01-2	0.1	0.1	*3	◇0.01ppm (8hrs)	1B		●	●		0.1
	Hydrazine monohydrate	7803-57-8	0.1	0.1	*3				●			0.1
1619	Thiocarbohydrazide	2231-57-4	1	1	*3							
1620	Hydralazine	86-54-4	1	0.1	*4				●			1
	Hydralazine hydrochloride	304-20-1	1	0.1	*4				●			1
1621	Glycolonitrile	107-16-4	1	1	*3							
1622	1-Hydroxyanthraquinone	129-43-1	1	0.1	*5							
1623	6-Hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	85136-74-9	1	0.1	*5							
1624	1,3,5(10)-Estratrien-3-ol-17-one (Estrone)	53-16-7	0.1	0.1	*3		1A					
1625	1-Hydroxyethane-1,1-diylbis(phosphonic acid)	2809-21-4	1	1	*4				●			1
1626	Hydroxyethylhydrazine	109-84-2	1	1	*5							
1627	8-Quinolinol	148-24-3	0.3	0.1	*3				●			1
1628	DL-Malic acid	6915-15-7	1	1	*5							
1629	Butyl hydroxyacetate	7397-62-8	1	0.1	*5							
1630	n-Octadecyl 3-(4'-hydroxy-3',5'-di-t-butylphenyl) propionate	2082-79-3	1	0.1	*5							
1631	Etoposide	33419-42-0	0.1	0.1	*3		1A					
1632	Teniposide	29767-20-2	0.1	0.1	*3		1B					
1633	beta-Hydroxynaphthoic acid	92-70-6	1	0.1	*4				●			1
1634	N-(4-Hydroxyphenyl)acetamide	103-90-2	1	1	*4							
1635	3-Hydroxy-2-butanone (Acetoin)	513-86-0	1	1	*5							
1636	Ethyl 3-hydroxybutyrate	5405-41-4	1	1	*5							
1637	Salicylamide	65-45-2	1	0.1	*4							
1638	N-Methylolacrylamide (N-(Hydroxymethyl)acrylamide)	924-42-5	0.3	0.1	*3							
1639	2-Hydroxy-4-(methylthio)butyric acid	583-91-5	1	1	*4				●eye			1
1640	N-[4-[(2-Hydroxy-5-methylphenyl)azo]phenyl]acetamide (Solvent Yellow 77, Disperse Yellow 3)	2832-40-8	1	0.1	*4				●			1
1641	(2-Hydroxy-4-methoxyphenyl)(phenyl)methanone	131-57-7	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1642	Vanillin	121-33-5	1	1	*5							
1643	Hydroxylamine	7803-49-8	1	0.1	*4				●			1
1644	Hydroquinone	123-31-9	0.1	0.1	*3	◇1mg/m^3 (8hrs)			●	●		0.1
1645	2-Hydroxyethyl vinyl ether	764-48-7	1	1	*5							
1646	2-Ethylhexyl vinyl ether	103-44-6	1	1	*5							
1647	4-Vinyl-1-cyclohexene	100-40-3	1	0.1	*3				●eye			1
1648	4-Oxiranyl-1,2-epoxycyclohexane	106-87-6	1	0.1	*3					●		0.1
1649	Vinyl toluene	25013-15-4	1	1	*3	◆10ppm (8hrs)						
1650	5-Vinyl-2-norbornene	3048-64-4	1	1	*5							
1651	2-Vinylpyridine	100-69-6	1	0.1	*4				●			1
1652	4-Vinylpyridine	100-43-6	1	0.1	*3				●			1
1653	N-Vinyl-2-pyrrolidone	88-12-0	1	0.1	*3	◆0.01ppm(8hrs)			●	●		1
1654	2,2'-Bipyridyl	366-18-7	1	1	*5							
1655	4,4'-Bipyridyl	553-26-4	1	1	*5							
1656	1-(4-Biphenylyloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanol	55179-31-2	1	0.1	*5							
1657	Biphenyl	92-52-4	0.1	0.1	*3	◇3mg/m^3 (8hrs)	1B			●		0.1
1658	Biphenyl-2-ylamine	90-41-5	1	0.1	*5							
1659	4,4'-Dihydroxydiphenyl	92-88-6	1	1	*5							
1660	Piperazine	110-85-0	1	0.1	*4				●			1
1661	Piperazine dihydrochloride	142-64-3	1	1	*3							
1662	Piperidine	110-89-4	1	0.1	*4				●			1
1663	Anabasine	494-52-0, *2	1	0.1	*5							
1664	Pyridine	110-86-1	1	0.1	*3	◇1ppm (8hrs)			●	●		1
1665	Pyrethrins and Pyrethroids	8003-34-7	1	0.1	*3				●			1
1666	Pyrrolidine	123-75-1	1	1	*4				●			1
1667	Pyrrole	109-97-7	1	1	*5							
1668	Physostigmine	57-47-6	1	1	*3							
1669	Phenanthrene	85-01-8	1	0.1	*4				●	●		1
1670	Phenylacetonitrile	140-29-4	1	1	*3							
1671	1-phenylazo-2-naphthol (Solvent Yellow 14)	842-07-9	1	1	*5							
1672	1-(N-Phenylamino)naphthalene	90-30-2	1	0.1	*4				●			1
1673	Phenyl isocyanate	103-71-9	1	0.1	*3				●			1
1674	beta-Phenylethyl alcohol (Phenethyl alcohol)	60-12-8	1	0.1	*5							
1675	1-phenylethylamine	98-84-0	1	1	*5							
1676	beta-Phenylethylamine (Phenethylamine)	64-04-0	1	1	*4				●			1
1677	Phenyloxirane (Styrene Oxide)	96-09-3	0.1	0.1	*3	◇1ppm (8hrs)	1B		●	●		0.1
1678	3-Phenylazo-2,6-pyridinediamine hydrochloride (Phenazopyridine hydrochloride)	136-40-3	1	0.1	*4							
1679	Benzoguanamine	91-76-9	1	0.1	*5							
1680	2-(N-Phenylamino)naphthalene	135-88-6	1	0.1	*4				●			1
1681	Chlorophacinone	3691-35-8	0.3	0.1	*3							
1682	Phenylhydrazine	100-63-0	0.1	0.1	*3	★	1B		●	●		0.1
1683	Phenylhydrazinium chloride	59-88-1	1	1	*5							
1684	Biphenyl-2-ol	90-43-7	1	1	*5							
1685	2-Phenyl-2-propanol	617-94-7	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1686	4-(2-Phenylpropan-2-yl)phenol	599-64-4	1	0.1	*5							
1687	1-Phenylpropan-1-one	93-55-0	1	1	*4							
1688	Phenylphosphine	638-21-1	1	0.1	*3							
1689	N-Phenylmaleimide	941-69-5	1	1	*5							
1690	Phenylmethanethiol (Benzyl mercaptan)	100-53-8	1	1	*5							
1691	Phenylenediamine	25265-76-3	1	0.1	*3				●			1
	o-Phenylenediamine	95-54-5				★			●			1
	m-Phenylenediamine	108-45-2				◆0.1mg/m^3 (8hrs)			●	●		1
	p-Phenylenediamine	106-50-3				◆0.1mg/m^3 (8hrs)			●			1
1692	m-Phenylenediamine dihydrochloride	541-69-5	1	0.1	*4				●			1
	o-Phenylenediamine dihydrochloride	615-28-1							●			1
	p-Phenylenediamine dihydrochloride	624-18-0							●			1
1693	2-Phenoxyethanol	122-99-6	1	1	*5				●eye			1
1694	1-Phenoxy-2-propanol	770-35-4	1	1	*4				●eye			1
1695	3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Permethrin)	52645-53-1	1	1	*5							
1696	Phenothiazine	92-84-2	1	1	*3	◆0.5mg/m^3 (8hrs)			●	●		1
1697	Phenol	108-95-2	0.1	0.1	*3						●	5
1698	Ferrosilicon	8049-17-0	1	1	*5							
1699	Ferrocerium	69523-06-4	1	1	*5							
1700	Ferrovanadium	12604-58-9	1	1	*3							
1701	Pseudoionone	141-10-6	1	0.1	*5							
1702	2-Butyne-1,4-diol	110-65-6	1	0.1	*4				●			1
1703	2-Butene-1,4-diol	110-64-5	1	1	*5							
1704	1,3-Butadiene	106-99-0	0.1	0.1	*3		1A					
1705	Isobutyl alcohol	78-83-1	1	1	*3 Including alkyl isomers	▼50ppm			●eye			1
	1-Butanol	71-36-3	1	1		▼25ppm				●		1
	tert-Butanol	75-65-0	1	0.1		◆20ppm (8hrs)						
	2-Butanol	78-92-2	1	0.1		▼100ppm						
1706	Diallyl phthalate	131-17-9	1	0.1	*4				●			1
1707	Diisodecyl phthalate (DIDP)	26761-40-0	1	0.1	*5							
1708	Diisononyl phthalate (DINP) (Dinonyl phthalate)	28553-12-0	1	0.1	*5							
1709	Diisobutyl phthalate	84-69-5	0.3	0.1	*3							
1710	Diethyl phthalate	84-66-2	1	0.1	*3	◆30mg/m^3 (8hrs)			●			1
1711	Di-n-octyl phthalate	117-84-0	1	0.1	*5							
1712	Dicyclohexylphthalate	84-61-7	0.3	0.1	*3				●			1
1713	Di-n-butyl phthalate	84-74-2	0.3	0.1	*3	◆0.5mg/m^3 (8hrs)			●			1
1714	Di(branched and linear hexyl) phthalate	68515-50-4	0.3	0.1	*3 Including alkyl isomers							
	Dihexan-1-yl phthalate(DnHP)	84-75-3	0.3	0.1								
	Diisohexyl phthalate	71850-09-4	0.3	0.1								
1715	Di-n-heptyl phthalate	3648-21-3	1	0.1	*5							
1716	Di-n-pentyl phthalate	131-18-0, others	0.3	0.1	*3 Including alkyl isomers							
1717	Dimethyl phthalate	131-11-3	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1718	Butyl benzyl phthalate [BBP]	85-68-7	0.3	0.1	*3							
1719	Bis(2-ethylhexyl) phthalate	117-81-7	0.3	0.1	*3	◆1mg/m^3 (8hrs)				●		0.3
1720	Butane	106-97-8, others	1	1	*3 Including alkyl isomers							
1721	Butan-2-one oxime	96-29-7	1	0.1	*4				●	●		0.1
1722	Ethyl butanoate	105-54-4	1	1	*5							
1723	Methyl butanoate	623-42-7	1	1	*5							
1724	Busulfan	55-98-1	0.1	0.1	*3		1A					
1725	Diacetyl	431-03-8	1	0.1	*3				●	●		1
1726	1-Butanethiol	109-79-5	1	1	*3				●	●		1
1727	Butanenitrile	109-74-0	1	1	*4							
1728	Butyryl chloride	141-75-3	1	1	*4				●			1
1729	Butyraldehyde	123-72-8	1	1	*4							
1730	Butyl isocyanate	111-36-4, others	1	0.1	*3 Including alkyl isomers				●			1
1731	Di-n-butyl ether (Dibutyl ether)	142-96-1	1	1	*4							
1732	Butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate (Cyhalofop-butyl)	122008-85-9	1	1	*5							
1733	2,3-Dihydro-2,2-dimethyl-7-benzofuryl 2,4-dimethyl-6-oxa-5-oxo-3-thia-2,4-diazadecanoate	65907-30-4	1	0.1	*4				●			1
1734	Butylhydroxyanisol	25013-16-5	1	0.1	*4				●			1
1735	1-Butylpyrrolidine	767-10-2	1	1	*5							
1736	O-butyl S-benzyl S-ethyl Phosphorodithioate	27949-52-6	1	1	*5							
1737	n-Butylbenzene	104-51-8	1	1	*5							
1738	Butyl lithium	109-72-8, others	0.3	0.1	*3 Including alkyl isomers							
1739	Carbonyl difluoride	353-50-4	1	1	*3							
1740	Sulphuryl difluoride	2699-79-8	1	1	*4							
1741	Barium fluoride	7787-32-8	1	1	*4							
1742	Vinylidene dibromide	75-38-7	1	1	*3							
1743	Ethene, fluoro-	75-02-5	0.1	0.1	*3		1B					
1744	Fluoro-edenite	–	0.1	0.1	*3		1A					
1745	Crotonaldehyde ((E)-2-butenal)	123-73-9	0.1	0.1	*3	◇0.3ppm (short term)				●		0.1
1746	Butene (all isomers)	25167-67-3	1	1	*3							
	1-Butene (alpha-Butylene)	106-98-9	1	1								
	2-Butene (beta-Butylene) mixture	107-01-7	1	1								
	cis-2-Butene	590-18-1	1	1								
	trans-2-Butene	624-64-6	1	1								
	Isobutene (2-Methylpropene or Isobutylene)	115-11-7	1	1								
1747	2-Butoxyethyl 2-thiocyanoethyl ether	112-56-1	1	1	*5							
1748	3-Butoxypropan-2-ol (Propylene glycol monobutyl ether)	5131-66-8	1	1	*5							
1749	N-(Butoxymethyl)acrylamide	1852-16-0	1	1	*4							
1750	Dipropylene glycol butyl ether	29911-28-2	1	1	*5							
1751	N-Butoxymethyl-2-chloro-2',6'-diethylacetanilide (Butachlor)	23184-66-9	1	0.1	*4				●			1
1752	Fumaric acid	110-17-8	1	1	*5							
1753	Diethyl fumarate	623-91-6	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1754	Blasticidin S	2079-00-7, *2	1	1	*4							
1755	Furan	110-00-9	1	0.1	*4							
1756	2-Furylmethanethiol	98-02-2	1	1	*5							
1757	4-Fluoroaniline	371-40-4	1	1	*5							
1758	5-Fluorouracil	51-21-8	0.3	0.1	*3							
1759	Ethyl 2-fluoroacetate	459-72-3	1	1	*5							
1760	Sodium fluoroacetate	62-74-8	1	1	*3					●		1
1761	1-Fluoro-2,4-dinitrobenzene	70-34-8	1	0.1	*4				●			1
1762	p-Fluorobenzaldehyde	459-57-4	1	1	*5							
1763	Fluoromethane	593-53-3	1	1	*5							
1764	Brucine	357-57-3	1	1	*5							
1765	Furfural	98-01-1	1	0.1	*3	◇0.2ppm (8hrs)				●		1
1766	Furfuryl alcohol	98-00-0	1	0.1	*3	◇0.2ppm (8hrs)			●	●		1
1767	Propyl 3,4,5-trihydroxybenzoate	121-79-9	1	0.1	*4				●			1
1768	Propane	74-98-6	1	1	*5							
1769	Monoester of acrylic acid and propan-1,2-diol	25584-83-2	1	0.1	*4				●			1
1770	1,2-Oxathiolane 2,2-dioxide (1,3-Propane sultone)	1120-71-4	0.1	0.1	*3		1B				●	1
1771	Propane-1-thiol	107-03-9	1	1	*5							
1772	Propanenitrile	107-12-0	0.3	0.1	*3							
1773	Propionaldehyde	123-38-6	1	1	*3							
1774	Propionic acid	79-09-4	1	1	*3	◆10ppm (8hrs)			●			1
1775	Ethyl propionate	105-37-3	1	1	*5							
1776	Vinyl propionate	105-38-4	1	1	*5							
1777	n-Butyl propionate	590-01-2	1	1	*5							
1778	Pentyl propionate	624-54-4	1	1	*5							
1779	Propylamine	107-10-8	1	1	*4				●			1
1780	n-Propyl alcohol	71-23-8	1	0.1	*3 Including alkyl isomers				●	●		1
	Isopropyl alcohol	67-63-0	1	0.1		▼200ppm						1
1781	2-Propan-1-ylpentanoic acid (Valproic acid)	99-66-1	0.3	0.1	*3							
1782	N-Propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]imidazole-1-carboxamide	67747-09-5	1	0.1	*5							
1783	Propylbenzene	103-65-1	1	1	*5							
1784	Dihydrosafrole	94-58-6	1	0.1	*5							
1785	Propyleneimine	75-55-8	1	0.1	*3					●		1
1786	Propane-1,2-diol (Propylene glycol)	57-55-6	1	1	*4							
1787	Propylene glycol monomethyl ether	107-98-2	1	1	*3	◆50ppm (8hrs)						
1788	Propylene trimer	13987-01-4	1	1	*5							
1789	Polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (Propineb)	12071-83-9	0.1	0.1	*3		1B					
1790	Propylene tetramer	6842-15-5	1	1	*5							
1791	2-Propyn-1-ol	107-19-7	1	0.1	*3				●	●		1
1792	Propiolic acid	471-25-0	1	1	*5							
1793	Propene (Propylene)	115-07-1	1	1	*3							
1794	1-Propoxy-2-propanol	1569-01-3	1	1	*5							
1795	Bromoacetone	598-31-2	1	1	*3							
1796	(2-Bromoethyl)benzene	103-63-9	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1797	Bromoethylene	593-60-2	0.1	0.1	*3		1B					
1798	Epibromohydrin	3132-64-7	1	1	*5							
1799	1-Bromo-2-chloroethane	107-04-0	1	1	*5							
1800	Bromochlorodifluoromethane (Halone-1211)	353-59-3	1	1	*4							
1801	2-Bromo-2-chloro-1,1,1-trifluoroethane (Halothane)	151-67-7	1	0.1	*3							
1802	Chlorfenapyr (4-bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile)	122453-73-0	1	1	*5							
1803	1-Bromo-3-chloropropane	109-70-6	1	0.1	*5							
1804	Bromo(chloro)methane	74-97-5	1	0.1	*3					●		1
1805	Bromoacetic acid	79-08-3	1	1	*4				●			1
1806	Ethyl bromoacetate	105-36-2	1	1	*4				●eye			1
1807	Bromodichloroacetic acid	71133-14-7	0.1	0.1	*3		1B					
1808	Bromodichloromethane	75-27-4	1	0.1	*3					●		1
1809	1-Bromo-3,4-difluorobenzene	348-61-8	1	1	*5							
1810	2-(4-Bromodifluoromethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether (Hhalfenprox)	111872-58-3	1	1	*4							
1811	5-Bromo-3-sec-butyl-6-methyl uracil (Bromacil)	314-40-9	1	0.1	*3							
1812	1-Bromo-3,4,5-trifluorobenzene	138526-69-9	1	1	*5							
1813	Bromo(trifluoro)methane	75-63-8	1	1	*3	◆1 000ppm (8hrs)						
1814	2-Bromo-2-nitropropane-1,3-diol (Bronopol)	52-51-7	1	1	*4				●	●		1
1815	1-Bromobutane	109-65-9	1	0.1	*4							
1816	2-Bromobutane	78-76-2	1	1	*5							
1817	3-(3-Bromo-6-fluoro-2-methylindol-1-ylsulfonyl)-N,N-dimethyl-1H-1,2,4-triazole-1-sulfonamide (Amisulbrom)	348635-87-0	1	0.1	*5							
1818	1-Bromopropane (Propyl bromide)	106-94-5	0.3	0.1	*3	◇0.1ppm (8hrs)						
1819	2-Bromopropane	75-26-3	0.3	0.1	*3	★				●		0.1
1820	Ethyl 3-bromopropionate	539-74-2	1	1	*5							
1821	3-Bromo-1-propyne	106-96-7	1	1	*5							
1822	3-Bromo-1-propene	106-95-6	1	1	*3				●	●		1
1823	Bromobenzene	108-86-1	1	1	*5							
1824	1-Bromo-3-methylbutane	107-82-4	1	1	*5							
1825	Isobutyl bromide	78-77-3	1	1	*5							
1826	Ethane, hexachloro-	67-72-1	1	0.1	*3	◆1ppm (8hrs)				●		1
1827	1,2,3,4,10,10-Hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene (Dieldrin)	60-57-1	0.1	0.1	*3		1B			●		0.1
1828	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo-1,4-endo-5,8-dimethanonaphthalene (Endrin)	72-20-8	1	1	*3	◆0.1mg/m^3 (8hrs)				●		1
1829	1,2,3,4,5,6-Hexachlorocyclohexane (Lindane)	58-89-9	1	0.1	*3		1A			●		0.1
	BHC or HCH (mixture)	608-73-1	1	0.1			1A			●		0.1
1830	Hexachlorocyclopentadiene	77-47-4	1	0.1	*3				●			1
1831	Hexachloronaphthalene	1335-87-1	1	1	*3					●		1
1832	Ammonium chloroplatinate complex salt	16919-58-7	1	0.1	*4				●			1
1833	1,4,5,6,7,7-Hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid	115-28-6	1	0.1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1834	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene (Aldrin)	309-00-2	0.1	0.1	*3		1B			●		0.1
1835	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide (Endosulfan)	115-29-7	1	1	*3					●		1
1836	Hexachlorobenzene	118-74-1	0.3	0.1	*3					●		0.3
1837	2,4-Hexadienal	142-83-6	1	0.1	*4				●			1
1838	Hexadecan-1-yl(trimethyl)ammonium chloride	112-02-7	1	1	*4				●eye			1
1839	Hexadecyltrimethylammonium bromide	57-09-0	1	0.1	*4							
1840	Cetylpyridinium chloride	123-03-5	1	1	*5				●eye			1
1841	Hexanal	66-25-1	1	1	*5							
1842	Hexan-1-ol	111-27-3	1	1	*5							
1843	Hexahydro-1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine	4719-04-4	1	0.1	*4				●			1
1844	Hexahydro-1,3,5-trinitro-1,3,5-triazine (with 15% water, by mass)	121-82-4	1	0.1	*3					●		1
1845	Hexafluoroacetone	684-16-2	1	0.1	*3					●		1
1846	Trisodium hexafluoroaluminate	13775-53-6	1	1	*3							
1847	Hexafluoroethane (limited to high pressure gas)	76-16-4	1	1	*5							
1848	Dipotassium hexafluorosilicate	16871-90-2	1	1	*4							
1849	Sodium silicofluoride	16893-85-9	1	1	*4							
1850	Barium hexafluorosilicate	17125-80-3	1	1	*4							
1851	Hexafluoropropene (Hexafluoropropylene)	116-15-4	1	1	*3							
1852	Hexabromocyclododecane	25637-99-4, others	0.3	0.1	*3							
1853	Hexamethyldisilazane	999-97-3	1	1	*4				●			1
1854	Hexamethyldisiloxane	107-46-0	1	1	*4							
1855	[4-{bis(4-Dimethylaminophenyl)methylene}-2,5-cyclohexadien-1-ylidene]dimethylammonium chloride (Basic violet 3, Crystal violet)	548-62-9	0.1	0.1	*3		1B					
1856	4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydrocyclopenta[g]isochromene	1222-05-5	1	0.1	*5							
1857	Hexamethylphosphoric triamide	680-31-9	0.1	0.1	*3					●		0.1
1858	Hexahydro-1H-azepin	111-49-9	1	1	*4				●			1
1859	Hexamethylenediamine	124-09-4	1	0.1	*3				●			1
1860	Hexamethylene diisocyanate (Hexane, 1,6-diisocyanato-)	822-06-0	1	0.1	*3	◆0.005ppm (8hrs)			●			1
1861	Hexane	110-54-3, others	1	0.1	*3 Including alkyl isomers	▼110-54-3 (n-Hexane) 40ppm				●110-54-3 (n-Hexane)		1
1862	2-Hexyloxyethanol	112-25-4	1	1	*5							
1863	Hexanoic acid	142-62-1	1	1	*4				●			1
1864	Ethyl caproate	123-66-0	1	1	*5							
1865	Acetonylacetone	110-13-4	1	1	*4							
1866	1-Hexanethiol	111-31-9	1	1	*4							
1867	2-(2-Hexyloxyethoxy)ethanol; DEGHE (Diethylene glycol monohexyl ether, 3,6-dioxa-1-dodecanol (Hexyl carbitol, 3,6-dioxadodecan-1-ol))	112-59-4	1	1	*5							
1868	1-Hexene	592-41-6	1	1	*3							
1869	cis-3-Hexenol	928-96-1	1	1	*5							
1870	beta Naphthol (2-Naphthol)	135-19-3	1	0.1	*4				●			1
1871	beta-Pinene	127-91-3	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1872	4-Methyloxetan-2-one ((+/-)-4-methyloxetan-2-one)	3068-88-0	1	0.1	*3							
	4-Methyloxetan-2-one ((+/-)-4-methyloxetan-2-one)	36536-46-6	1	0.1								
1873	Propiolactone	57-57-8	0.1	0.1	*3	▼0.5ppm		●			●	1
1874	beta-Bromostyrene	103-64-0	1	1	*5							
1875	beta-Mercaptopropionic acid	107-96-0	1	1	*4				●			1
1876	1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene (Heptachlor epoxide)	1024-57-3	0.3	0.1	*3					●		0.3
1877	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene (Heptachlor)	76-44-8	0.3	0.1	*3					●		0.3
1878	Heptachloronaphthalene	32241-08-0	1	1	*4							
1879	Heptanal	111-71-7	1	1	*5							
1880	1-Heptanol	111-70-6	1	1	*5							
1881	1,1,1,2,3,3,3-Heptafluoropropane (limited to high pressure gas)	431-89-0	1	1	*5							
1882	Heptane	142-82-5, others	1	1	*3 Including alkyl isomers	◆500ppm (8hrs)						
1883	Heptanoic acid	111-14-8	1	1	*4				●			1
1884	Heptene	25339-56-4	1	1	*4							
1885	Helium (limited to high pressure gas)	7440-59-7	1	1	*5							
1886	Diammonium peroxodisulfate	7727-54-0	1	0.1	*3				●			1
1887	Dipotassium peroxodisulfate	7727-21-1	1	0.1	*3				●			1
1888	Disodium peroxydisulfate / Sodium peroxodisulfate	7775-27-1	1	0.1	*3				●			1
1889	Dienochlor	2227-17-0	1	1	*5							
1890	Perfluorooctanic acid	335-67-1	0.3	0.1	*3				●	●		0.3
	Ammonium pentadecafluorooctanoate	3825-26-1	0.3	0.1						●		0.3
1891	Perfluoro(octane-1-sulfonate)	1763-23-1	0.3	0.1	*3					●		0.3
1892	Potassium perfluorooctane-1-sulfonate	2795-39-3	1	0.1	*4							
1893	Perfluoro(1,2-dimethylcyclohexane)	306-98-9	1	1	*5							
1894	Perfluorononanoic acid	375-95-1, others	0.3	0.1	*3 Including alkyl isomers							
1895	2-Benzylideneoctanal	101-86-0	1	0.1	*4				●			1
1896	Amylcinnamaldehyde	122-40-7	1	0.1	*4				●			1
1897	6-(Benzylamino)purine	1214-39-7	1	0.1	*5							
1898	Benzylamine	100-46-9	1	1	*5							
1899	Benzyl alcohol	100-51-6	1	1	*3				●	●		1
1900	2-Benzyl-4-chlorophenol (Clorofene)	120-32-1	1	0.1	*4				●			1
1901	2-Benzyl-2-(N,N-dimethylamino)-1-(4-morpholinophenyl)butan-1-one	119313-12-1	1	0.1	*5							
1902	Benzethonium chloride	121-54-0	1	1	*5							
1903	Trimethylbenzylammonium chloride	56-93-9	1	1	*4							
1904	(5-Benzyl-3-furyl)methyl 2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate	10453-86-8	1	0.1	*5							
1905	Benzaldehyde	100-52-7	1	1	*5							
1906	Benzene	71-43-2	0.1	0.1	*3	▼1ppm		●			●	1
1907	Terephthaloyl dichloride	100-20-9	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1908	Benzenesulfonamide	98-10-2	1	1	*4							
1909	Benzenesulfonic acid	98-11-3	1	1	*4				●			1
1910	4-Chlorophenyl benzenesulphonate (Fenson)	80-38-6	1	1	*5							
1911	1, 2, 4, 5-Benzenetetracarboxylic acid anhydride	89-32-7	1	0.1	*4				●			1
1912	1,2,4-Benzenetricarboxylic 1,2-anhydride (Trimellitic anhydride)	552-30-7	1	0.1	*3	◆0.0005mg/m^3 (8hrs), 0.002mg/m^3 (short term)			●	●		1
1913	Benz[a]anthracene	56-55-3	1	0.1	*3					●		0.1
1914	1,2-Benzothiazolin-3-one	2634-33-5	1	0.1	*4				●			1
1915	2-(2-Benzothiazolyloxy)-N-methylacetanilide	73250-68-7	1	0.1	*5							
1916	Benzothiazole	95-16-9	1	1	*5							
1917	1,2,3-Benzotriazole	95-14-7	1	1	*5							
1918	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	1	1	*4							
1919	2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328)	25973-55-1	1	1	*4							
1920	2-(2H-Benzotriazol-2-yl)-6-sec-butyl-4-tert-butylphenol (UV-350)	36437-37-3	1	1	*4							
1921	Benzonitrile	100-47-0	1	1	*4							
1922	Benzo[a]pyrene	50-32-8	0.1	0.1	*3		1A			●		0.1
1923	Benzo[c]phenanthrene	195-19-7	1	0.1	*5							
1924	Benzophenone	119-61-9	1	0.1	*5							
1925	Benzofuran	271-89-6	1	0.1	*3							
1926	Benzo[e]fluoranthene (Benzo[b]fluoranthene)	205-99-2	0.1	0.1	*3		1B			●		0.1
1927	Benzo[j]fluoranthene	205-82-3	1	0.1	*5					●		0.1
1928	Benzo[k]fluoranthene	207-08-9	1	0.1	*5					●		0.1
1929	Pentaethylenehexamine	4067-16-7	1	1	*5							
1930	Iron carbonyl	13463-40-6	1	1	*3							
1931	Pentachloroethane	76-01-7	1	1	*5							
1932	Pentachloronaphthalene	1321-64-8	1	1	*3					●		1
1933	Pentachloronitrobenzene	82-68-8	1	0.1	*3				●			1
1934	Pentachlorophenol	87-86-5	0.1	0.1	*3	▼0.5mg/m^3 as Pentachlorophenol	1A					
	Sodium pentachlorophenate	131-52-2	1	0.1								
1935	1,2,3,4,5-Pentachlorobenzene	608-93-5	1	0.1	*5							
1936	Penta-1,3-diene	504-60-9	1	1	*5							
1937	1-Pentanal (n-Valeraldehyde)	110-62-3	1	1	*3				●			1
1938	1-Pentanol	71-41-0	1	1	*5							
1939	Pentafluoroethane (limited to high pressure gas)	354-33-6	1	1	*5							
1940	1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene (PFIB)	382-21-8	1	1	*3							
1941	Diphenyl ether, pentabromo derivative pentabromodiphenyl ether	32534-81-9	1	1	*4							
1942	Pentabromophenol	608-71-9	1	1	*4							
1943	Pentaborane	19624-22-7	1	1	*3				●eye			1
1944	Pentane	109-66-0, others	1	1	*3 Including alkyl isomers	◆78-78-4 (2-Methylbutane), 109-66-0 (n-Pentane) 1,000ppm(8hrs)						
1945	valeric acid	109-52-4	1	1	*4				●			1
1946	Zinc borate	1332-07-6	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1947	Ammonium borate	12007-89-5	0.3	0.1	*3							
1948	Boric acid	10043-35-3	0.3	0.1	*3							
	Sodium tetraborate	1330-43-4	0.3	0.1	*3							
1949	Triethyl borate	150-46-9	1	1	*5							
1950	Trimethyl borate	121-43-7	1	1	*5							
1951	Tetraethylammonium tetrafluoroborate	429-06-1	1	1	*4							
1952	Phosgene	75-44-5	1	1	*3						●	1
1953	Poly(oxyethylene) alkyl ether (limited to those with alkyl groups having 12 to 15 carbon atoms and mixtures thereof)	*2	1	1	*4				68131-39-5 ●			
1954	Poly(oxyethylene) octylphenyl ether	9036-19-5	1	1	*5							
1955	Sodium alpha-dodecan-1-yl-omega-(sulfonatooxy)poly(oxyethylene)	9004-82-4	1	1	*4							
1956	Poly(oxyethylene) nonylphenyl ether	9016-45-9	1	0.1	*5							
1957	Poly(oxyethylene) p-(1,1,3,3-tetramethylbutyl)phenyl ether (Triton X-100)	9002-93-1	1	1	*5							
1958	Polyhexamethylenebiguanide	27083-27-8	1	0.1	*3				●			1
1959	2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole (Nifurthiazole)	3570-75-0	1	0.1	*3							
1960	Formamide	75-12-7	0.3	0.1	*3					●		0.3
1961	Formaldehyde	50-00-0	0.1	0.1	*3	▼0.1ppm		●			●	1
1962	Magnesium	7439-95-4	1	1	*5							
1963	Magnesium ethoxide	2414-98-4	1	1	*5							
1964	Magenta I	632-99-5	1	0.1	*3			●			●	1
1965	Maltol	118-71-8	1	1	*5							
1966	Maleic acid	110-16-7	1	1	*4				●			1
1967	Chlorpheniramine maleate	113-92-8	1	0.1	*4							
1968	Dimethyl maleate	624-48-6	1	0.1	*4				●			1
1969	Malonic acid	141-82-2	1	1	*5							
1970	Diethyl malonate	105-53-3	1	1	*5							
1971	Mannitol hexanitrate	15825-70-4	1	1	*5							
1972	Petroleum distillates	64742-47-8	1	1	*3							
1973	Isobutyric anhydride	97-72-3	1	1	*4				●			1
1974	Succinic anhydride	108-30-5	1	1	*4				●eye			1
1975	Acetic anhydride	108-24-7	1	1	*3	◆0.2ppm (8hrs)			●			1
1976	Phthalic anhydride	85-44-9	1	0.1	*3				●	●		1
1977	propionic anhydride	123-62-6	1	1	*4				●			1
1978	Maleic anhydride	108-31-6	1	0.1	*3	◆0.08mg/m^3 (8hrs)			●			1
1979	Butyric anhydride	106-31-0	1	1	*4				●			1
1980	m-Aminophenol	591-27-5	1	1	*5				●			1
1981	m-Xylylenediamine	1477-55-0	1	0.1	*3				●	●		1
1982	Methacrylamide	79-39-0	1	0.1	*5							
1983	Methacrylic acid	79-41-4	1	1	*3	◆20ppm (8hrs)			●	●		1
1984	Allyl methacrylate	96-05-9	1	1	*5					●		1
1985	2-Isocyanatoethyl methacrylate	30674-80-7	1	1	*3							
1986	Ethyl methacrylate	97-63-2	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
1987	2-Ethylhexyl methacrylate	688-84-6	1	0.1	*5							
1988	2,3-Epoxypropyl methacrylate	106-91-2	0.1	0.1	*3	★	1B		●	●		0.1
1989	Methacryloyl chloride	920-46-7	1	1	*3							
1990	2-(Diethylamino)ethyl methacrylate	105-16-8	0.3	0.1	*3				●			1
1991	Cyclohexyl methacrylate	101-43-9	1	0.1	*4				●			1
1992	2-(Dimethylamino)ethyl methacrylate	2867-47-2	1	1	*4				●			1
1993	tert-Butyl methacrylate	585-07-9	1	1	*5							
1994	2-Hydroxyethyl methacrylate	868-77-9	1	0.1	*4				●			1
1995	2-Hydroxypropyl methacrylate	923-26-2	1	0.1	*4				●			1
1996	n-Butyl methacrylate	97-88-1	1	1	*5				●			1
1997	Methyl methacrylate	80-62-6	1	0.1	*3	◆20ppm (8hrs)			●			1
1998	Isobutyl methacrylate	97-86-9	1	1	*5				●			1
1999	Methacrylonitrile	126-98-7	1	0.1	*3	◇1ppm (8hrs)				●		1
2000	Chloroaniline (3-chloroaniline)/chloroaniline	108-42-9	1	0.1	*4				●	●		1
2001	Disodium metasilicate	6834-92-0	1	1	*4				●			1
	Disodium silicate pentahydrate	10213-79-3	1	1					●			1
	Sodium metasilicate nonahydrate	13517-24-3	1	1					●			1
2002	Isophthalonitrile	626-17-5	1	1	*3							
2003	m-Nitroaniline	99-09-2	1	0.1	*4							
2004	m-Nitrobenzoic acid	121-92-6	1	0.1	*5							
2005	m-Nitrophenol	554-84-7	1	1	*5							
2006	Methanol	67-56-1	0.3	0.1	*3	▼200ppm				●		0.3
2007	Ammonium metavanadate	7803-55-6	0.1	0.1	*3							
2008	Sodium metavanadate	13718-26-8	1	0.1	*4							
2009	Methane	74-82-8	1	1	*5							
2010	Methanesulfonyl chloride	124-63-0	1	1	*3				●			1
2011	Methanesulfonyl fluoride	558-25-8	1	1	*3				●			1
2012	Methanesulphonic acid	75-75-2	1	0.1	*4				●			1
2013	Ethyl methanesulphonate	62-50-0	0.1	0.1	*3							
2014	Methyl methanesulphonate	66-27-3	0.1	0.1	*3		1B					
2015	Methylal	109-87-5	1	1	*3	◆1 000ppm (8hrs)						
2016	4-Methylideneoxetan-2-one	674-82-8	1	1	*4				●eye			1
2017	Itaconic acid	97-65-4	1	1	*4				●eye			1
2018	1-Propyne	74-99-7	1	1	*3							
2019	Acetoacetotoluidide	93-68-5	1	1	*5							
2020	N-Methylacetamide	79-16-3	1	0.1	*5							
2021	(Z)-2'-Methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone	89269-64-7	1	1	*5							
2022	Methylazoxymethanol acetate	592-62-1	1	0.1	*5							
2023	N-Methylaniline	100-61-8	1	1	*3	◆2mg/m^3 (8hrs)				●		1
2024	2-Methylaminoethanol	109-83-1	1	1	*4				●			1
2025	2,2'-[[4-(Methylamino)-3-nitrophenyl]amino]diethanol, (HC blue No.1)	2784-94-3	1	0.1	*3							
2026	O-(4-tert-Butyl-2-chlorophenyl)-O-methyl N-methylaminophsphonate (Crufomate)	299-86-5	1	1	*3							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2027	Methylamine	74-89-5	1	1	*3	◆4ppm (8hrs)			●			1
2028	Methyl isothiocyanate	556-61-6	1	1	*3					●		1
2029	Methyl isobutyl ketone	108-10-1	1	0.1	*3	▼20ppm		●			●	1
2030	Promecarb	2631-37-0	1	1	*5							
2031	Methyl isopropenyl ketone	814-78-8	1	1	*3				●eye			1
2032	2-Methylimidazole	693-98-1	1	0.1	*5							
2033	4-Methylimidazole	822-36-6	1	0.1	*5							
2034	Methyl ethyl ketone	78-93-3	1	1	*3	▼200ppm				●		1
2035	4-(1-Methylethenyl)phenol	4286-23-1	1	1	*5							
2036	[Methyl(oxo){1-[6-(trifluoromethyl)-3-pyridyl]ethyl}-lambda(6)-sulfanylidene]carbamonitrile (Sulfoxaflor)	946578-00-3	1	0.1	*5							
2037	2-Methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl[1R-[1alpha[S*(Z)](3beta)]]-3-(3-methoxy-2-methyl-3-oxoprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate (Pyrethrin II)	121-29-9	1	1	*5							
2038	7-Methyl-1,6-octadiene	42152-47-6	1	1	*5							
2039	Oleoylsarcosine	110-25-8	1	1	*4				●			1
2040	2-Chlorophenyl methylcarbamate	3942-54-9	1	1	*5							
2041	2-Isopropoxyphenyl N-methylcarbamate (Propoxur)	114-26-1	1	0.1	*3	◆0.5mg/m^3 (8hrs)						
2042	2-Isopropylphenyl N-methylcarbamate (Isoprocarb (MIPC))	2631-40-5	1	1	*4							
2043	2,3-Dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate (Carbofuran)	1563-66-2	0.3	0.1	*3							
2044	2-sec-Butylphenyl N-methylcarbamate	3766-81-2	1	1	*3					●		1
2045	Methyl chloroformate	79-22-1	1	1	*3				●			1
2046	5-Methylchrysene	3697-24-3	1	0.1	*5							
2047	Chlordimeform	6164-98-3	1	1	*4							
2048	N'-(4-Chloro-o-tolyl)-N,N-dimethylformamidine monohydrochloride	19750-95-9	1	0.1	*5							
2049	Methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate (Halosulfuron-methyl)	100784-20-1	0.3	0.1	*3							
2050	Methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate (Indoxacarb or indoxacarb M) (S:R = 75:25)	173584-44-6	1	0.1	*4				●			1
2051	Pyraclostrobin	175013-18-0	1	1	*4							
2052	Methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate (Azoxystrobin)	131860-33-8	1	1	*5							
2053	2,2'-(Methylimino)diethanol (N-methyldiethanolamine)	105-59-9	1	0.1	*5							
2054	3-Methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene (Amitraz)	33089-61-1	1	0.1	*4				●			1
2055	Methylcyclohexanol	25639-42-3, others	1	1	*3	▼50ppm						
2056	Methylcyclohexanone (isomer mixture)	1331-22-2, others	1	1	*3	▼50ppm				●		
	2-Methylcyclohexanone	583-60-8	1	1	*3	▼50ppm				●		

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2057	Methylcyclohexane	108-87-2	1	1	*3							
2058	Methyl-hexahydrophthalic acid anhydride	25550-51-0	1	0.1	*4				●			1
2059	Methylcyclohexyl-4-chlorophenylthiophosphate	2346-99-8	1	1	*5							
2060	2-Methylcyclopentadienyltricarbonylmanganese	12108-13-3	1	1	*3							
2061	Phosphoric acid, 2,2-dichloroethenyl dimethyl ester, compd. with calcium bis(2,2-dichloroethenyl methyl phosphate) (2:1)	6465-92-5	1	1	*5							
2062	N-methyldithiocarbamic acid (Carbam)	144-54-7	0.3	0.1	*3				●			1
2063	Bis(methyldithiocarbamato-S,S')zinc	18984-32-2	1	1	*5							
2064	Ammonium methylcarbamodithioate (Metam-ammonium)	39680-90-5	1	0.1	*4				●			1
2065	Sodium monomethyldithiocarbamate (Metham sodium)	137-42-8	1	0.1	*4				●			1
2066	6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one	2439-01-2	1	0.1	*4				●			1
2067	4,6-Dinitro-o-cresol	534-52-1	1	0.1	*3				●	●		1
2068	Dinitolmide	148-01-6	1	1	*3							
2069	2,3,5,6-Tetrahydro-2-methyl-2H-cyclopenta[d]-1,2-thiazol-3-one	82633-79-2	1	0.1	*4				●			1
2070	4-Methyl-2,4-diphenylpent-1-ene	6362-80-7	1	0.1	*5							
2071	N',N'-dimethylcarbamoyl(methylthio)methylenamine N-methylcarbamate (Oxamyl)	23135-22-0	1	0.1	*3							
2072	Methyl 2-(4,6-dimethoxy-2-pyrimidinyloxy)-6-[1-(methoxyimino)ethyl]benzoate	136191-64-5	1	0.1	*4				●			1
2073	Methylsilanetriyl triacetate	4253-34-3	1	1	*4				●			1
2074	Methasulfocarb	66952-49-6	1	1	*4							
2075	Methyl tert-butyl ether [MTBE]	1634-04-4	1	1	*3	◇50ppm (8hrs)						
2076	6-Methyl-2-thiouracil (Methylthiouracil)	56-04-2	1	0.1	*4							
2077	3-(Methylsulfanyl)propanal	3268-49-3	1	0.1	*4				●			1
2078	Methyl dodecanoate (Methyl dodecanoate, Methyl laurate)	111-82-0	1	1	*5							
2079	5-Methyl-1,2,4-triazolo[3,4-b]benzothiazole	41814-78-2	1	1	*3							
2080	2-Methyl-4-(2-tolyldiazenyl)aniline (o-Aminoazotoluene)	97-56-3	0.1	0.1	*3		1B		●	●		0.1
2081	1-Methylnaphthalene	90-12-0	1	1	*3					●		1
	2-Methylnaphthalene	91-57-6	1	1	*3					●		1
2082	N-Methyl-N-(1-naphthyl)-2-fluoroacetamide	5903-13-9	1	1	*5							
2083	2-Methyl-5-nitroaniline (5-Nitro-o-toluidine)	99-55-8	1	0.1	*3							
2084	2-Methyl-1-nitroanthraquinone	129-15-7	1	0.1	*3							
2085	N-Nitrosomethylethylamine	10595-95-6	1	0.1	*5							
2086	N-Nitrosomethylvinylamine	4549-40-0	1	0.1	*5							
2087	Ethyl methylnitrosocarbamate	615-53-2	1	0.1	*3							
2088	N-Nitrososarcosine	13256-22-9	1	0.1	*5							
2089	1-Methyl-1-nitroso-3-[(2S,3R,4R,5S,6R)-2,4,5-trihydroxy-6-(hydroxymethyl)oxsan-3-yl] urea (Streptozocin)	18883-66-4	1	0.1	*4							
2090	N-Methyl-N-nitrosourea	684-93-5	0.1	0.1	*3		1B		●			1
2091	2-Methyl-4'-nitro-3'-(trifluoromethyl)propananilide (Flutamide)	13311-84-7	1	0.1	*4							
2092	N-Methyl-N'-nitro-N-nitrosoguanidine	70-25-7	0.1	0.1	*3		1B		●			1
2093	2-Methyl-5-nitrobenzenesulfonic acid	121-03-9	1	1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2094	Methyl n-butyl ketone	591-78-6	1	0.1	*3	▼5ppm				●		1
2095	Methyl n-pentyl ketone (2-Heptanone)	110-43-0	1	1	*3							
2096	2-Methyl-p-phenylenediamine sulphate	6369-59-1	1	1	*5							
2097	Methyl nadic anhydride	25134-21-8	1	1	*5							
2098	Methylhydrazine	60-34-4	1	0.1	*3					●		1
2099	Isobutyl vinyl ether	109-53-5	1	1	*5							
2100	Methyl vinyl ketone	78-94-4	1	0.1	*3				●	●		1
2101	2-Methyl-1,1'-biphenyl-3-ylmethyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate	82657-04-3	1	1	*4				●			1
2102	S-(2-Methyl-1-piperidinyl-carbonylmethyl)dipropyl dithiophosphate	24151-93-7	1	1	*5							
2103	1-Methylpiperidine	626-67-5	1	1	*4				●			1
2104	2-Methylpyrazine	109-08-0	1	1	*5							
2105	3-Methylpyridine	108-99-6	1	0.1	*4				●			1
	4-Methylpyridine (4-picoline)	108-89-4	1	1								
	2-Methylpyridine (2-Picoline)	109-06-8	1	1					●			1
2106	Flurprimidol	56425-91-3	1	0.1	*5							
2107	Nicotine sulfate	65-30-5	1	0.1	*3							
2108	N-Methyl-2-pyrrolidone (N-methylpyrrolidone)	872-50-4	0.3	0.1	*3					●		0.3
2109	1-[(2-Methylphenyl)azo]-2-naphthol	2646-17-5	1	0.1	*3							
2110	1-Methyl-1-phenylethyl hydroperoxide	80-15-9	1	1	*4				●			1
2111	S-1-Methyl-1-phenylethyl 1-piperidinecarbothioate	61432-55-1	1	1	*5							
2112	Dimethylbenzylcarbinol	100-86-7	1	1	*5							
2113	m-Tolyl methylcarbamate	1129-41-5	1	1	*5							
2114	o-Cresyl glycidyl ether (2,3-Epoxypropyl o-tolyl ether)	2210-79-9	1	0.1	*4				●			1
2115	2-Ethylpropionaldehyde	96-17-3	1	1	*5							
2116	3-Methylbutanal	590-86-3	1	1	*5							
2117	2-Methyl-2-butanol	75-85-4	1	1	*4							
2118	2-Methylbutanol	137-32-6	1	1	*5							
2119	Isoamyl isobutyrate	659-70-1	1	1	*5							
2120	3-Methyl-1-butyn-3-ol	115-19-5	1	1	*4				●eye			1
2121	3-Methyl-2-butenal	107-86-8	1	0.1	*4				●			1
2122	2-Methyl-2-butene	513-35-9	1	1	*5							
2123	3-Methyl-1-buten-3-ol	115-18-4	1	0.1	*5							
2124	3-Methyl-2-buten-1-ol	556-82-1	1	1	*4				●			1
2125	2-Methylfuran	534-22-5	1	1	*5							
2126	alpha-Angelica lactone	591-12-8	1	1	*5							
2127	L-Carvone	6485-40-1	1	1	*5				●			1
2128	Triisobutylene	7756-94-7	1	1	*5							
2129	Isobutylamine	78-81-9	1	1	*4				●			1
2130	1-Isopropyl-3-methylpyrazol-5-yl dimethylcarbamate (Isolan)	119-38-0	1	1	*3					●		1
2131	2-Methylpropionic acid	79-31-2	1	1	*4				●			1
2132	Ethyl 2-methylpropanoate	97-62-1	1	1	*5							
2133	Isobutyl isobutyrate	97-85-8	1	1	*5							
2134	tert-Butyl mercaptan	75-66-1	1	0.1	*4				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2135	Methyl propyl ketone	107-87-9	1	1	*3 Including alkyl isomers							
	Isopropyl methyl ketone	563-80-4	1	1								
2136	2-Methyl-2-propenal	78-85-3	1	1	*4				●			1
2137	O-4-Bromo-2,5-dichlorophenyl O-methyl phenylphosphorothioate	21609-90-5	0.3	0.1	*3							
2138	5-Methyl-2-hexanone	110-12-3	1	1	*3	◆10ppm(8hrs)						
2139	6-Methyl-2-heptanone	928-68-7	1	1	*5							
2140	6-Methyl-5-hepten-2-one	110-93-0	1	1	*5							
2141	p-Tolylaldehyde	104-87-0	1	1	*5							
2142	4-Methylbenzenesulfonic acid	104-15-4	1	1	*4				●			1
2143	Methyl benzimidazol-2-ylcarbamate (Carbendazim)	10605-21-7	0.1	0.1	*3				●			1
2144	2-Methylpentanal	123-15-9	1	1	*5							
2145	4-methyl-2-pentanol	108-11-2	1	1	*3					●		1
2146	2-Methyl-2,4-pentanediol (Hexyleneglycol)	107-41-5	1	1	*3	◆120mg/m^3 (8hrs)						
2147	4-Methyl-1-pentene	691-37-2	1	1	*5							
2148	Methylphosphonic dichloride	676-97-1	1	1	*3				●			1
2149	Dimethyl methylphosphonate	756-79-6	0.1	0.1	*3							
2150	N-methylformamide	123-39-7	0.3	0.1	*3					●		0.3
2151	Methomyl	16752-77-5	1	1	*3					●		1
2152	2-Methyl-1-[4-(methylthio)phenyl]-2-morpholinopropan-1-one (Irgacure 907)	71868-10-5	0.3	0.1	*3							
2153	3-Methyl-4-methylthiophenol	3120-74-9	1	1	*5							
2154	7-Methyl-3-methylene-1,6-octadiene	123-35-3	0.3	0.1	*3							
2155	Methyl (E)-2-methoxyimino-[2-(o-tolyloxymethyl)phenyl]acetate (Kresoxim-methyl)	143390-89-0	1	0.1	*5							
2156	Methyl (E)-methoxyimino- {(E)-alpha-[1-(alpha, alpha, alpha-trifluoro-m-tolyl) ethylideneaminooxy]-o-tolyl}acetate (Trifloxystrobin)	141517-21-7	1	0.1	*4				●			1
2157	Dipropylene glycol methyl ether acetate	88917-22-0	1	1	*5							
2158	Methyl mercaptan (Methanethiol)	74-93-1	1	1	*3							
2159	4-Methylmorpholine	109-02-4	1	1	*5							
2160	4,4'-Methylenedianiline	101-77-9	0.1	0.1	*3	◇0.4mg/m^3 (8hrs)	1B		●	●		0.1
2161	Methylenediphenyl diisocyanate	26447-40-5	1	0.1	*4				●			1
	Methylenebis(4,1-phenylene) diisocyanate [4'4-MDI]	101-68-8	1	0.1	*3				●	●		1
	2,4'-Diphenylmethane diisocyanate	5873-54-1	1	0.1	*4				●			1
2162	2,2'-Dihydroxy-5,5'-dichlorodiphenylmethane (Dichlorophen)	97-23-4	1	0.1	*4				●			1
2163	Methylenebis(4,1-cyclohexylene) diisocyanate	5124-30-1	1	0.1	*3	◆0.05mg/m^3 (8hrs)			●			1
2164	4,4'-Methylenebis(N,N-dimethylaniline)	101-61-1	0.1	0.1	*3		1B					
2165	Methylene bis(thiocyanate)	6317-18-6	1	0.1	*3				●			1
2166	1,1'-Methylenebis(thiosemicarbazide)	39603-48-0	1	1	*5							
2167	2,2'-methylenebis-(3,4,6-trichlorophenol) (Hexachlorophene)	70-30-4	1	0.1	*4							
2168	4,4'-Dihydroxy-3,3'-methylenedi-2H-chromen-2-one	66-76-2	1	1	*5							
2169	4,4'-Methylenebis(2-methylcyclohexaneamine)	6864-37-5	1	1	*3				●			1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2170	Methylene blue	61-73-4	1	0.1	*4							
2171	(E)-α-Methoxyimino-N-methyl-2-phenoxyphenylacetamide ((E)-Metominostrobin)	133408-50-1	1	0.1	*5							
2172	Vinyl methyl ether	107-25-5	1	1	*5							
2173	Methyl 3-(3-methylcarbaniloyloxy)carbanilate (Phenmedipham)	13684-63-4	1	1	*5							
2174	2-(Methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide (Carbadox)	6804-07-5	1	0.1	*5							
2175	Methoxyacetic acid	625-45-6	0.3	0.1	*3				●			1
2176	2,4,6-trinitroanisole	606-35-9	1	1	*5							
2177	4-Nitro-o-anisidine	97-52-9	1	1	*5							
2178	2-Methoxyphenol	90-05-1	1	1	*4				●eye			1
2179	Tripropylene glycol methyl ether (alpha isomer)	20324-33-8	1	1	*5							
	Tripropylene glycol methyl ether (isomer mixture)	25498-49-1	1	1								
2180	3-Methoxypropylamine	5332-73-0	1	1	*4				●			1
2181	Isoeugenol	97-54-1	1	0.1	*4				●			1
2182	4-Methoxyfuro［3,2-g］chromen-7-one (Bergapten)	484-20-8	0.1	0.1	*3		1B					
2183	9-Methoxy-7H-furo[3,2-g][1]benzopyran-7-one (Methoxsalen)	298-81-7	0.1	0.1	*3		1A					
2184	Methoxybenzene	100-66-3	1	1	*5							
2185	2,4-Diaminoanisole sulfate	39156-41-7	0.1	0.1	*3		1B					
2186	2-Methoxy-4H-1,3,2-benzodioxaphosphorin 2-sulphide	3811-49-2	1	1	*5							
2187	1-Methoxymethanol	4461-52-3	1	1	*5							
2188	2-Methoxy-5-methylaniline	120-71-8	1	0.1	*3							
2189	1-(2-Methoxy-2-methylethoxy)-2-propanol	34590-94-8	1	1	*3	◆50ppm (8hrs)				●		1
2190	Methyl glycidyl ether	930-37-0	1	1	*5							
2191	3-Methoxy-3-methyl-1-butanol	56539-66-3	1	1	*5							
2192	tert-Amyl methyl ether (TAME or 2-methoxy-2-methylbentane)	994-05-8	1	0.1	*3							
2193	4-methoxy-4-methylpentan-2-one	107-70-0	1	1	*5							
2194	Diethylene glycol dimethyl ether	111-96-6	1	0.1	*5					●		0.3
2195	Mefenamic acid	61-68-7	1	0.1	*4							
2196	2-Mercaptoethanol	60-24-2	1	1	*5							
2197	Mercaptoacetic acid	68-11-1	1	0.1	*3				●	●		1
2198	6-Mercaptopurine	50-44-2	0.1	0.1	*3							
2199	2-Mercaptobenzothiazole	149-30-4	0.1	0.1	*3		1B		●			1
2200	Monensin	17090-79-8	1	0.1	*4				●			1
	Monensin, monosodium salt	22373-78-0	1	0.1	*4				●			1
2201	Fluoroacetic acid	144-49-0	1	1	*3				●			1
2202	2-Fluoroacetamide	640-19-7	1	0.1	*3							
2203	p-Bromo-2-fluoroacetanilide	351-05-3	1	1	*3					●		1
2204	N-(4-Bromobenzyl)-2-fluoroacetamide	24312-44-5	1	1	*5							
2205	2-(Morpholinothio)benzothiazole	102-77-2	1	0.1	*4				●			1
2206	5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone	3795-88-8	1	0.1	*5							
2207	Morpholine	110-91-8	1	1	*3				●	●		1
2208	Iodoform	75-47-8	1	1	*3					●		1

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2209	Reactive black-5	17095-24-8	1	0.1	*4				●			1
2210	Disodium 6,6'-[(3,3'-Dimethoxy-4,4'-biphenylylene)bisazo]bis(4-amino-5-hydroxy-1,3-naphthalenedisulfonate) (Direct Blue 1)	2610-05-1	0.1	0.1	*3		1B					
2211	Disodium 6,6'-(Biphenyl-4,4'-diylbisazo)bis(4-amino-5-hydroxy-2,7-naphthalenedisulfonate) (Direct Blue 6)	2602-46-2	0.1	0.1	*3		1B					
2212	Butyric acid	107-92-6	1	1	*4				●			1
2213	Isopropyl butyrate	638-11-9	1	1	*5							
2214	Isopentyl butyrate	106-27-4	1	1	*5							
2215	Butyl butyrate	109-21-7	1	1	*5							
2216	Lactonitrile (Acetardehyde cyanhydrin)	78-97-7	1	1	*3					●		1
2217	Lasalocid	11054-70-9	0.3	0.1	*3							
2218	Lithium bis(trifluoromethylsulfonyl)imide	90076-65-6	0.3	0.1	*3							
2219	Lidocaine	137-58-6	1	0.1	*4				●			1
2220	(4R)-p-Mentha-1,8-diene (d-Limonene)	5989-27-5	1	0.1	*4				●			1
2221	Potassium sulfide	1312-73-8	1	1	*3				●			1
2222	Carbonyl sulphide	463-58-1	1	1	*3							
2223	Dimethyl sulfide	75-18-3	1	1	*3							
2224	Hydrogen sulfide	7783-06-4	1	1	*3	▼1ppm					●	1
2225	Sodium sulfide	16721-80-5	1	1	*3				●			1
2226	Disodium sulfide	1313-82-2	1	1	*3				●			1
2227	Barium sulphide	21109-95-5	1	1	*4							
2228	Diphosphorus pentasulfide	1314-80-3	1	1	*3							
	Tetraphosphorus trisulphide (Phosphorus sesquisulphid)	1314-85-8	1	1	*3							
2229	Sulfuric acid	7664-93-9	1	1	*3						●	1
2230	Zinc sulfate	7733-02-0	1	0.1	*4				●eye			1
	Zinc sulfate heptahydrate	7446-20-0	1	1					●eye			1
2231	Diisopropyl sulphate	2973-10-6	1	0.1	*3							
2232	Diethyl sulfate	64-67-5	0.1	0.1	*3		1B		●			1
2233	Dimethyl sulfate	77-78-1	0.1	0.1	*3	▼0.1ppm	1B				●	1
2234	Potassium hydrogen sulfate	7646-93-7	1	1	*4				●			1
2235	Sodium hydrogensulphate	7681-38-1	1	1	*5							
2236	Disodium sulfate	7757-82-6	1	1	*4							
2237	Sodium p-dimethylaminophenyldiazenesulfonate	*2, 140-56-7	1	1	*4							
2238	Barium sulfate	7727-43-7	1	1	*4							
2239	Hydrazine sulfate	10034-93-2	1	0.1	*4				●			1
2240	Bis(hydroxylammonium) sulphate	10039-54-0	1	0.1	*4				●			1
2241	Lithium sulfate	10377-48-7	1	1	*5							
2242	Trizinc diphosphide	1314-84-7	1	1	*4							
2243	Aluminium phosphide	20859-73-8	1	1	*5							
2244	Phosphine	7803-51-2	1	1	*3	◇0.05ppm (8hrs), 0.15ppm (short term)						
2245	Tricalcium diphosphide	1305-99-3	1	1	*4				●			1
2246	Phosphoric acid	7664-38-2	1	1	*3	◆1mg/m^3 (8hrs)			●			1
2247	Zinc phosphate	7779-90-0	1	0.1	*4							
2248	2-Ethylhexan-1-yl diphenyl phosphate	1241-94-7	1	1	*5							

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13
2249	Tripotassium phosphate	7778-53-2	1	1	*4				●			1
2250	Cresyl diphenyl phosphate	26444-49-5	1	0.1	*5							
2251	(Z)-2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate (Tetrachlorvinphos)	22248-79-9	1	0.1	*4				●			1
2252	Di-n-butyl phosphate	107-66-4	1	1	*3				●	●		1
2253	Di-Butyl phenyl phosphate	2528-36-1	1	1	*3					●		1
2254	Naled	300-76-5	1	0.1	*3				●	●		1
2255	(E)-3-(dimethylamino)-1-methyl-3-oxoprop-1-enyl dimethyl phosphate (Dicrotophos)	141-66-2	0.3	0.1	*3				●	●		0.3
2256	Monocrotophos	6923-22-4	1	1	*3					●		1
2257	Dimethyl 1-methoxycarbonyl-1-propene-2-yl phosphate (Mevinphos)	7786-34-7	1	0.1	*3	◆0.01mg/m^3 (8hrs)				●		1
2258	Triethyl phosphate	78-40-0	1	0.1	*5							
2259	Tris(isopropylphenyl) phosphate	68937-41-7	1	1	*5							
2260	Tris(2-ethylhexyl) phosphate	78-42-2	1	1	*5							
2261	Tris(2-chloroethyl) phosphate	115-96-8	0.3	0.1	*3							
2262	Tris(1-chloro-2-propyl) phosphate	13674-84-5	1	0.1	*5							
2263	Tris(dichloropropyl) phosphate	13674-87-8	1	1	*4							
2264	Tris (2,3-dibromopropyl) phosphate	126-72-7	0.1	0.1	*3		1B					
2265	Tris(dimethylphenyl) phosphate	25155-23-1	0.3	0.1	*3							
2266	Tris(o-cresyl) phosphate	78-30-8	1	1	*3	◇0.03mg/m^3 (8hrs)				●		1
	Tritolyl phosphate	1330-78-5	0.3	0.1					●			1
2267	Tri-n-butyl phosphate	126-73-8	1	0.1	*3	◆5mg/m^3 (8hrs)			●	●		1
2268	Triphenyl phosphate	115-86-6	1	1	*3	◆3mg/m^3 (8hrs)						
2269	Trimethyl phosphate	512-56-1	0.1	0.1	*3							
2270	Trisodium phosphate	7601-54-9	1	1	*4				●			1
2271	Resorcinol (Resorcin)	108-46-3	1	0.1	*3	◇10ppm (8hrs)			●			1
2272	Hexachlorobutadiene	87-68-3	1	0.1	*3	◆0.01ppm (8hrs)			●	●		1
2273	Sulfur hexafluoride	2551-62-4	1	1	*5							
2274	Rosin	8050-09-7	1	0.1	*3				●			1
2275	Thiocyanatoacetic acid ethyl ester	5349-28-0	1	1	*5							
2276	Rotenone	83-79-4	1	1	*3					●		1
	Distillates (petroleum), hydrotreated heavy naphthenic (Baseoil - unspecified)	64742-52-5			*3		1A; Only products containing 0.1% or more of other carcinogenic substances as ingredients are eligible.					

Note:

#1 Due to the arrangement of legal names, some chemicals are defined as a collective name for multiple chemicals.

#2 During transportation or storage, chemicals that do not turn into anything other than a solid state, and do not turn into powder (excluding items that fall under any of the following 1 to 3) are excluded from the application of labeling regulations.

1 Hazardous chemicals (Order for Industrial Safety and Health Act, appended Table 1).
2 Flammable items other than dangerous items that may cause an explosion or fire.
3 Chemicals containing calcium oxide, sodium hydroxide, etc. that pose a risk of corrosion to the skin.

#3 Among chemicals having an alkyl group, chemicals described as "contains isomers of alkyl groups" in the remarks column include isomers of alkyl groups. For other chemicals with alkyl groups, the absence of a structural prefix refers only to straight-chain alkyl groups.

*1 The CAS RNs are not stipulated by law, but are provided for reference. If structural isomers, etc. exist, a different CAS RN may be assigned, but the chemical name is used to determine whether the chemical is subject to obligations such as labeling and SDS provision.

OISH, Appended Table 2	Risk assessment chemicals	CAS RN® *1	Cut off value (wt%)		Risk assessment effective date	○: Target of special regulations, ▼: Administrative level; ◇2024, ◆2025: Concentration standard, ★: No Concentration standard due to carcinogenicity	Obligation to keep work records for 30 years		Hazardous to/through skin*6; Obligation to use impermeable protective clothing, etc.			
			Label	SDS			GHS category for carcinogen	Specially controlled chemicals*12	Skin corrosive/ irritative chemicals*7, 8	Skin-absorbable hazardous chemicals*9, 10	OPTLP, OPHSCS*11	Cut off value (wt%)*13

*2 Indicates that the CAS RN cannot be determined.

*3 Chemicals that are subject to mandatory labeling and SDS provision before March 31, 2025.

*4 Chemicals that will be added to the list of substances subject to mandatory labeling and SDS provision from April 1, 2025.

*5 Chemicals that will be added to the list of substances subject to mandatory labeling and SDS provision, from April 1, 2026.

*6 Chemicals that cause skin damage, etc. are defined as "Chemicals containing substances (limited to those that are clearly likely to cause damage to the skin or eyes, or that may cause health disorders by being absorbed through or penetrating the skin)" in Article 594-2 of the Ordinance on Industrial Safety and Health.

*7 Skin corrosive/irritative chemicals are those that cause damage to the skin, and are classified as GHS Category 1 in "skin corrosion/irritation", "serious eye damage/eye irritation", and "respiratory sensitization or skin sensitization" among the toxicity information listed in the GHS classification results published by the government and the SDS etc. provided by the supplier. However, this excludes cases where the use of impermeable protective clothing is required to prevent skin or eye damage under special regulations such as the Ordinance on Prevention of Hazards Due to Specified Chemical Substances. In addition, chemicals with "eye" written in the skin corrosive/irritative chemicals column only fall under Category 1 for "serious eye damage/eye irritation" and do not fall under skin-absorbable harmful those are chemicals that only require the use of eye protection.

*8 The skin corrosive/irritative chemicals listed are based on the results of the national GHS classification as of March 31, 2023. GHS classification by the government will be reviewed, so check the latest information. Also, check the toxic information listed on the SDS etc. provided by suppliers.

*9 Skin-absorbable harmful chemicals refer to chemicals that are known to cause health disorders by being absorbed through the skin or penetrating the skin. However, this excludes cases where special regulations such as the Ordinance on Prevention of Hazards Due to Specified Chemical Substances (OPHSCS) require the use of impermeable protective clothing to prevent skin or eye damage.

*10 The skin-absorbable hazardous chemicals listed are those that were identified by the Ministry of Health, Labor and Welfare's administrative review committee. Even if a substance is not listed here, if it becomes clear that it falls under the category of skin-absorbable hazardous chemical due to new findings, etc., it should be treated as a chemical to use impermeable protective clothing, etc. based on Article 594-2 of the Ordinance on Industrial Safety and Health.

*11 In the Ordinance on Prevention of Tetra alkyl Lead Poisoning (OPTLP), Article 2 or Articles 4 to 12, or the Ordinance on Prevention of Hazards Due to Specified Chemical Substances (OPHSCS) Article 22, Article 22-2, Article 38-19, 44, 47, 50 or 50-2, the use of impermeable protective clothing, etc. is required for applicable works.

*12 Specially controlled chemicals that require 30 years of work records.

*13 Mixtures whose content of skin corrosive/irritative chemical and/or skin-absorbable hazardous chemical is less than the cut-off value do not fall under the category of obligation to use impermeable protective clothing, etc.. Furthermore, regarding chemicals that are subject to special regulations such as the Ordinance on Prevention of Hazards Due to Specified Chemical Substances, such special regulations do not apply to mixtures with a content below the cut-off value.