

DATE: 2022/5/1

**Certificate of REACH (Annex XIV/XVII) compliance**

We, SUSUMU Co., Ltd. hereby certify that the product series listed below are fully compliant with REACH (Annex XIV/XVII) in respect of the following substances:

1. REACH Annex XIV
2. REACH Annex XVII

Product:

URG Series, SRG Series, RG Series, RGT Series, NRG Series, PRG Series, HRG Series,  
MRG Series, RGA Series, RR Series, RT Series, RM Series, RMA Series,  
KRL E Series (ERL Series), KRL D Series, PRL Series, RL Series, YJP Series, PCMB Series,  
PS Series, PAT Series, PXV Series, PZV Series, PCS Series, HPT Series, ATT Series, ATS Series

Signature Hiroyoshi Hosomizo

Hiroyoshi Hosomizo

Manager of Quality Assurance Department Quality Assurance section

Susumu CO., LTD.



Annex XIV List

Entry no.	Substance name	CAS No.
1	5-tert-butyl-2,4,6-trinitro-m-xylene (Muskxylene)	81-15-2
2	4,4' - Diaminodiphenylmethane(MDA)	101-77-9
3	Hexabromocyclododecane (HBCDD)	-
4	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
5	Benzyl butyl phthalate (BBP)	85-68-7
6	Dibutyl phthalate (DBP)	84-74-2
7	Diisobutyl phthalate (DIBP)	84-69-5
8	Diarsenic trioxide	1327-53-3
9	Diarsenic pentaoxide	1303-28-2
10	Lead chromate	7758-97-6
11	Lead sulfochromate yellow	1344-37-2
12	Lead chromate molybdate sulfate red	12656-85-8
13	Tris(2-chloroethyl) phosphate	115-96-8
14	2,4-dinitrotoluene(2,4-DNT)	121-14-2
15	Trichloroethylene	79-01-6
16	Chromium trioxide	1333-82-0
17	Acids generated from chromium trioxide and their oligomers. Group containing:Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	-
18	Sodium dichromate	10588-01-9 7789-12-0
19	Potassium dichromate	7778-50-9
20	Ammonium dichromate	7789-09-5
21	Potassium chromate	7789-00-6
22	Sodium chromate	7775-11-3
23	Formaldehyde, oligomeric reaction products with aniline	25214-70-4
24	Arsenic acid	7778-39-4
25	Bis(2-methoxyethyl) ether	111-96-6
26	1,2-dichloroethane (EDC)	107-06-2
27	2,2' -dichloro-4,4' -methylenedianiline (MOCA)	101-14-4
28	Dichromium tris(chromate)	24613-89-6
29	Strontium chromate	7789-06-2
30	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9
31	Pentazinc chromate octahydroxide	49663-84-5
32	1-bromopropane (n-propyl bromide)	106-94-5

33	diisopentyl phthalate	605-50-5
34	1,2-Benzenedicarboxylic acid, di-C6-8-branchedalkyl esters, C7-rich	71888-89-6
35	1,2-Benzenedicarboxylic acid, di-C7-11-branchedand linear alkylesters	68515-42-4
36	1,2-Benzenedicarboxylic acid, dipentyl ester,branched and linear	84777-06-0
37	Bis(2-methoxyethyl) phthalate	117-82-8
38	Dipentyl phthalate	131-18-0
39	n-pentyl-isopentylphthalate	776297-69-9
40	Anthracene oil	90640-80-5
41	Pitch, coal tar, high-temp.	65996-93-2
42	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues	-
43	4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof	-
44	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
45	Dihexyl phthalate	84-75-3
46	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	-
47	Trixylyl phosphate	25155-23-1
48	Sodium perborate, perboric acid, sodium salt	-
49	Sodium peroxometaborate	7632-04-4
50	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1],5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] covering any of the individual stereoisomers of [1] and [2] or any combination thereof	-
51	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
52	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1
53	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3
54	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
55	Tetraethyllead	78-00-2
56	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
57	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)	-
58	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	15571-58-1
59	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-

## Annex XVII List

Entry no.	Substance name	CAS No.
1	Polychlorinated terphenyls (PCTs)	-
2	Chloroethene (Vinyl Chloride)	75-01-4
3	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members):	-
	Hazard class 4.1	-
	Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	-
	Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	-
	Hazard class 5.1.	-
4	Tris (2,3 dibromopropyl) phosphate	126-72-7
5	Benzene	71-43-2
6	Asbestos fibres	-
7	Tris(aziridinyl)phosphin oxide	545-55-1
8	Polybromobiphenyls, Polybrominated biphenyls (PBB)	-
9	Soap bark powder ( <i>Quillaja saponaria</i> ) and its derivatives containing saponines	68990-67-0
	Powder of the roots of <i>Helleborus viridis</i> and <i>Helleborus niger</i>	-
	Powder of the roots of <i>Veratrum album</i> and <i>Veratrum nigrum</i>	-
	Benzidine and/or its derivatives	-
	<i>o</i> -Nitrobenzaldehyde	552-89-6
	Wood powder	-
10	Ammonium sulphide	12135-76-1
	Ammonium hydrogen sulphide	12124-99-1
	Ammonium polysulphide	9080-17-5
11	Volatile esters of bromoacetic acids	-
12	2-naphthylamine and its salts	-
13	Benzidine and its salts	-
14	4-Nitrobiphenyl	92-93-3
15	4-Aminobiphenyl xenylamine and its salts	-
16	Lead carbonates	-
17	Lead sulphates	-
18	Mercury compounds	-
18a	Mercury	7439-97-6
19	Arsenic compounds	-
20	Organostannic compounds	-

21	Di- $\mu$ -oxo-di-n-butylstanniohydroxyborane / Dibutyltin hydrogen borate C <sub>8</sub> H <sub>19</sub> BO <sub>3</sub> Sn (DBB)	75113-37-0
22	-	-
23	Cadmium and its compounds	-
24	Monomethyl-tetrachlorodiphenyl methane Trade name: Ugilec 141	76253-60-6
25	Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21	-
26	[No public or meaningful name is available]	99688-47-8
27	Nickel and its compounds	-
28	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	-
29	Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	-
30	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	-
31	Creosote; wash oil	8001-58-9
	Creosote oil; wash oil	61789-28-4
	Distillates (coal tar), naphthalene oils; naphthalene oil	84650-04-4
	Creosote oil, acenaphthene fraction; wash oil	90640-84-9
	Distillates (coal tar), upper; heavy anthracene oil	65996-91-0
	Anthracene oil	90640-80-5
	Tar acids, coal, crude; crude phenols	65996-85-2
	Creosote, wood	8021-39-4
	Low temperature tar oil, alkaline; extract residues (coal), low temperature coaltar alkaline	122384-78-5
32	Chloroform	67-66-3
33	-	-
34	1,1,2-Trichloroethane	79-00-5
35	1,1,2,2-Tetrachloroethane	79-34-5
36	1,1,1,2-Tetrachloroethane	630-20-6
37	Pentachloroethane	76-01-7
38	1,1-Dichloroethene	75-35-4
39	-	-
40	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not	-
41	Hexachloroethane	67-72-1
42	-	-
43	Azocolourants and Azodyes	-
44	-	-
45	Diphenylether, octabromo derivative C <sub>12</sub> H <sub>2</sub> Br <sub>8</sub> O	-

46	Nonylphenol C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub>	25154-52-3
	Nonylphenol ethoxylates (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	-
46a	Nonylphenol ethoxylates (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	-
47	Chromium VI compounds	-
48	Toluene	108-88-3
49	Trichlorobenzene	120-82-1
50	Polycyclic-aromatic hydrocarbons (PAH)	-
51	Diisobutyl phthalate (DIBP); Dibutyl phthalate (DBP); Benzyl butyl phthalate (BBP); Bis(2-ethylhexyl) phthalate (DEHP)	-
	Diisobutyl phthalate	84-69-5
	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7
	Dibutyl phthalate (DBP)	84-74-2
	Benzyl butyl phthalate (BBP)	85-68-7
52	The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52]	-
	1,2-Benzenedicarboxylic acid, di-C <sub>8</sub> -10-branched alkyl esters, C <sub>9</sub> -rich	68515-48-0
	1,2-Benzenedicarboxylic acid, di-C <sub>9</sub> -11-branched alkyl esters, C <sub>10</sub> -rich	68515-49-1
	Di- "isononyl" phthalate (DINP)	28553-12-0
	Di- "isodecyl" phthalate (DIDP)	26761-40-0
	Di-n-octyl phthalate (DNOP)	117-84-0
53	-	-
54	2-(2-methoxyethoxy) ethanol (DEGME)	111-77-3
55	2-(2-butoxyethoxy) ethanol (DEGBE)	112-34-5
56	Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members):	-
	2,2' -Methylenediphenyl diisocyanate	2536-05-2
	4,4' -Methylenediphenyl diisocyanate	101-68-8
	2,4' -Methylenediphenyl diisocyanate	5873-54-1
	Methylenediphenyl diisocyanate (MDI)	26447-40-5
57	Cyclohexane	110-82-7
58	Ammonium nitrate (AN)	6484-52-2
59	Dichloromethane	75-09-2
60	Acrylamide	79-06-1
61	Dimethyl fumarate (DMFu)	624-49-7
62	Phenylmercury acetate	62-38-4
	Phenylmercury propionate	103-27-5
	Phenylmercury 2-ethylhexanoate	13302-00-6
	Phenylmercury octanoate	13864-38-5
	Phenylmercury neodecanoate	26545-49-3
63	Lead and its compounds	-
64	1,4-Dichlorobenzene	106-46-7

65	Inorganic ammonium salts	-
66	4,4'-isopropylidenediphenol	80-05-7
67	-	-
68	C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances	-
69	Methanol	67-56-1
70	Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5)	-
71	1-methyl-2-pyrrolidone	872-50-4
72	The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1A or 1B (See group members) [Entry 72]	-
73	(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives	-
74	Diisocyanates	-
75	Substances in tattoo inks and permanent make up	-
76	N, N-dimethylformamide	68-12-2