



July 23, 2018

**Subject: REACH
Candidate Substances of Very High Concern (SVHC),
Authorization List, and Substances restricted under REACH**

Dear Customer,

REACH stands for Registration, Evaluation, Authorisation and Restriction of Chemicals, from the European Union Regulation EC No 1907/2006.

Our company REACH statement can be downloaded at www.plenco.com/reach.pdf.

Candidate List of substances of very high concern for Authorisation

(published in accordance with Article 59(10) of the REACH Regulation)

The Candidate List of Substances of Very High Concern for authorization is available from the internet site link: <http://echa.europa.eu/candidate-list-table>. Only the Candidate List published on this website is deemed authentic.

Authorisation List

List of substances included in Annex XIV of REACH ("Authorisation List").

<https://echa.europa.eu/authorisation-list>

Substances restricted under REACH

Table Annex XVII to REACH and includes all the restrictions adopted in the framework of REACH and the previous legislation, Directive 76/769/EEC.

<https://echa.europa.eu/substances-restricted-under-reach>

To the best of my knowledge, none of the substances on the above lists in the attached tables are expected be present in articles above a concentration of 0.1% (w/w) molded from Plastics Engineering Company molding compounds. To the best of my knowledge, articles molded from Plastics Engineering Company molding compounds are compliant with Substances restricted under REACH, Annex XVII, and conditions of restrictions.

Sincerely,

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PLASTICS ENGINEERING COMPANY
SHEBOYGAN, WISCONSIN 53082-0758 U.S.A

Candidate List of Substances of Very High Concern for authorization is available from the internet site link: <http://echa.europa.eu/candidate-list-table>

Number of substances on the Candidate List: **191 (last updated: June 27, 2018)**

	Substance Name	EC Number	CAS Number	Date of inclusion
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	209-008-0	552-30-7	27/06/2018
190	Benzo[ghi]perylene	205-883-8	191-24-2	27/06/2018
189	Decamethylcyclopentasiloxane	208-764-9	541-02-6	27/06/2018
188	Dicyclohexyl phthalate	201-545-9	84-61-7	27/06/2018
187	Disodium octaborate	234-541-0	12008-41-2	27/06/2018
186	Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	27/06/2018
185	Ethylenediamine	203-468-6	107-15-3	27/06/2018
184	Lead	231-100-4	7439-92-1	27/06/2018
183	Octamethylcyclotetrasiloxane	209-136-7	556-67-2	27/06/2018
182	Terphenyl, hydrogenated	262-967-7	61788-32-7	27/06/2018
181	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	15/01/2018
180	Cadmium carbonate	208-168-9	513-78-0	15/01/2018
179	Cadmium hydroxide	244-168-5	21041-95-2	15/01/2018
178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	15/01/2018
177	Chrysene	205-923-4	218-01-9, 1719-03-5	15/01/2018
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)	-	-	15/01/2018
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	15/01/2018
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	2017/07/07
173	4,4'-isopropylidenediphenol	201-245-8	80-05-7	2017/12/01
172	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	-	2017/12/01
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	206-400-3 221-470-5	335-76-2 3108-42-7 3830-45-3	2017/12/01
170	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	2017/12/01
169	Benzo[def]chrysene	200-028-5	50-32-8	2016/06/20
168	1,3-propanesultone	214-317-9	1120-71-4	2015/12/17
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	2015/12/17
165	Nitrobenzene	202-716-0	98-95-3	2015/12/17
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	2015/12/17
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	272-013-1, 272-013-1	68515-51-5, 68648-93-1	2015/06/15
162	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]			2015/06/15
161	Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	2014/12/17; 2008/10/28
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	2014/12/17
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	2014/12/17
158	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)	-	-	2014/12/17
157	Cadmium fluoride	232-222-0	7790-79-6	2014/12/17
156	Cadmium sulphate	233-331-6	10124-36- 4,31119-53-6	2014/12/17
155	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	2014/12/17
154	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	2014/06/16

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153	Cadmium chloride	233-296-7	10108-64-2	2014/06/16
152	Sodium peroxometaborate	231-556-4	7632-04-4	2014/06/16
151	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	2014/06/16
150	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	2013/12/16
149	Trixylyl phosphate	246-677-8	25155-23-1	2013/12/16
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	2013/12/16
147	Cadmium sulphide	215-147-8	1306-23-6	2013/12/16
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	2013/12/16
145	Lead di(acetate)	206-104-4	301-04-2	2013/12/16
144	Diethyl phthalate	201-559-5	84-75-3	2013/12/16
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	2013/06/20
142	Cadmium oxide	215-146-2	1306-19-0	2013/06/20
141	4-Nonylphenol, branched and linear, ethoxylated <i>[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]</i>	-	-	2013/06/20
140	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	2013/06/20
139	Dipentyl phthalate (DPP)	205-017-9	131-18-0	2013/06/20
138	Cadmium	231-152-8	7440-43-9	2013/06/20
137	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</i>	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012/12/19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	2012/12/19
135	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	2012/12/19
134	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	2012/12/19
133	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	2012/12/19
132	Silicic acid, lead salt	234-363-3	11120-22-2	2012/12/19
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	2012/12/19
130	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	2012/12/19
129	Furan	203-727-3	110-00-9	2012/12/19
128	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	2012/12/19
127	Diethyl sulphate	200-589-6	64-67-5	2012/12/19
126	N-pentyl-isopentylphthalate	-	776297-69-9	2012/12/19
125	o-aminoazotoluene	202-591-2	97-56-3	2012/12/19
124	Lead cyanamidate	244-073-9	20837-86-9	2012/12/19
123	Tetralead trioxide sulphate	235-380-9	12202-17-4	2012/12/19
122	o-Toluidine	202-429-0	95-53-4	2012/12/19
121	Dioxobis(stearato)trilead	235-702-8	12578-12-0	2012/12/19
120	Silicic acid (H₂Si₂O₅), barium salt (1:1), lead-doped <i>[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]</i>	272-271-5	68784-75-8	2012/12/19
119	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	2012/12/19
118	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	2012/12/19
117	N,N-dimethylformamide	200-679-5	68-12-2	2012/12/19
116	4-Aminoazobenzene	200-453-6	60-09-3	2012/12/19
115	N-methylacetamide	201-182-6	79-16-3	2012/12/19
114	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	2012/12/19
113	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	2012/12/19
112	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	2012/12/19
111	Tetraethyllead	201-075-4	78-00-2	2012/12/19
110	Trilead dioxide phosphonate	235-252-2	12141-20-7	2012/12/19
109	Lead monoxide (lead oxide)	215-267-0	1317-36-8	2012/12/19
108	Acetic acid, lead salt, basic	257-175-3	51404-69-4	2012/12/19
107	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	2012/12/19
106	Lead dinitrate	233-245-9	10099-74-8	2012/12/19
105	Methoxyacetic acid	210-894-6	625-45-6	2012/12/19
104	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	-	2012/12/19
103	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	2012/12/19

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102	Lead titanium trioxide	235-038-9	12060-00-3	2012/12/19
101	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	2012/12/19
100	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	2012/12/19
99	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]</i>	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	2012/12/19
98	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	2012/12/19
97	Dimethyl sulphate	201-058-1	77-78-1	2012/12/19
96	4-Nonylphenol, branched and linear <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</i>	-	-	2012/12/19
95	Biphenyl-4-ylamine	202-177-1	92-67-1	2012/12/19
94	1,2-Diethoxyethane	211-076-1	629-14-1	2012/12/19
93	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	2012/12/19
92	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	2012/12/19
91	Tricosafuorododecanoic acid	206-203-2	307-55-1	2012/12/19
90	Lead oxide sulfate	234-853-7	12036-76-9	2012/12/19
89	Diisopentylphthalate	210-088-4	605-50-5	2012/12/19
88	Orange lead (lead tetroxide)	215-235-6	1314-41-6	2012/12/19
87	Lead titanium zirconium oxide	235-727-4	12626-81-2	2012/12/19
86	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	2012/12/19
85	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	2012/12/19
84	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	2012/12/19
83	Formamide	200-842-0	75-12-7	2012/06/18
82	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	2012/06/18
81	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0	2012/06/18
80	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	423-400-0	59653-74-6	2012/06/18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	2012/06/18
78	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	2012/06/18
77	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	2012/06/18
76	[4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	2012/06/18
75	[4-[[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	2012/06/18
74	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	2012/06/18
73	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1	2012/06/18
72	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	2012/06/18
71	Diboron trioxide	215-125-8	1303-86-2	2012/06/18
70	Lead diazide, Lead azide	236-542-1	13424-46-9	2011/12/19
69	Calcium arsenate	231-904-5	7778-44-1	2011/12/19
68	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	2011/12/19
67	Arsenic acid	231-901-9	7778-39-4	2011/12/19
66	Lead dipicrate	229-335-2	6477-64-1	2011/12/19
65	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	2011/12/19
64	Phenolphthalein	201-004-7	77-09-8	2011/12/19
63	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	2011/12/19
62	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	2011/12/19
61	Zirconia Aluminosilicate Refractory Ceramic Fibres<i> are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μ m). c)	-	-	2011/12/19

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	alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight</i>			
60	Trilead diarsenate	222-979-5	3687-31-8	2011/12/19
59	Dichromium tris(chromate)	246-356-2	24613-89-6	2011/12/19
58	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	2011/12/19
57	1,2-dichloroethane	203-458-1	107-06-2	2011/12/19
56	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	2011/12/19
55	Lead styphnate	239-290-0	15245-44-0	2011/12/19
54	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	2011/12/19
53	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	2011/12/19
52	Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight</i>	-	-	2011/12/19
51	N,N-dimethylacetamide	204-826-4	127-19-5	2011/12/19
50	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20 - 2008/10/28
49	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	2011/06/20
48	Strontium chromate	232-142-6	7789-06-2	2011/06/20
47	2-Ethoxyethyl acetate	203-839-2	111-15-9	2011/06/20
46	1,2,3-Trichloropropane	202-486-1	96-18-4	2011/06/20
45	Hydrazine	206-114-9	302-01-2, 7803-57-8	2011/06/20
44	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	2011/06/20
43	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	2011/06/20
42	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5, 236-881-5	7738-94-5, 13530-68-2	2010/12/15
41	2-Ethoxyethanol	203-804-1	110-80-5	2010/12/15
40	Cobalt(II) diacetate	200-755-8	71-48-7	2010/12/15
39	2-Methoxyethanol	203-713-7	109-86-4	2010/12/15
38	Chromium trioxide	215-607-8	1333-82-0	2010/12/15
37	Cobalt(II) sulphate	233-334-2	10124-43-3	2010/12/15
36	Cobalt(II) carbonate	208-169-4	513-79-1	2010/12/15
35	Cobalt(II) dinitrate	233-402-1	10141-05-6	2010/12/15
34	Potassium chromate	232-140-5	7789-00-6	2010/06/18
33	Ammonium dichromate	232-143-1	7789-09-5	2010/06/18
32	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	2010/06/18
31	Sodium chromate	231-889-5	7775-11-3	2010/06/18
30	Potassium dichromate	231-906-6	7778-50-9	2010/06/18
29	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	2010/06/18
28	Trichloroethylene	201-167-4	79-01-6	2010/06/18
27	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	2010/06/18
26	Acrylamide	201-173-7	79-06-1	2010/03/30
25	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	2010/01/13
24	Anthracene oil, anthracene-low	292-604-8	90640-82-7	2010/01/13
23	Diisobutyl phthalate	201-553-2	84-69-5	2010/01/13
22	Anthracene oil, anthracene paste	292-603-2	90640-81-6	2010/01/13
21	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	2010/01/13
20	Lead chromate	231-846-0	7758-97-6	2010/01/13
19	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	2010/01/13
18	Pitch, coal tar, high temp.	266-028-2	65996-93-2	2010/01/13
17	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	2010/01/13
16	Anthracene oil	292-602-7	90640-80-5	2010/01/13
15	2,4-Dinitrotoluene	204-450-0	121-14-2	2010/01/13
14	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	2010/01/13
13	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	2008/10/28
12	Lead hydrogen arsenate	232-064-2	7784-40-9	2008/10/28
11	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	2008/10/28

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10	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	2008/10/28
9	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	2008/10/28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	2008/10/28
7	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	2008/10/28
6	Diarsenic trioxide	215-481-4	1327-53-3	2008/10/28
5	Triethyl arsenate	427-700-2	15606-95-8	2008/10/28
4	Diarsenic pentaoxide	215-116-9	1303-28-2	2008/10/28
3	Anthracene	204-371-1	120-12-7	2008/10/28
2	Dibutyl phthalate (DBP)	201-557-4	84-74-2	2008/10/28
1	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	2008/10/28

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Authorisation List is available from the internet site link: <https://echa.europa.eu/authorisation-list> .
Last updated 18 December 2017. Database contains 43 unique substances/entries.

Substance Name	EC Number	CAS Number	Entry no.	Latest application date	Latest application_date
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	01	21/08/2014	21/02/2013
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	02	21/08/2014	21/02/2013
Hexabromocyclododecane (HBCDD)	-	-	03	21/08/2015	21/02/2014
gamma-hexabromocyclododecane	-	134237-52-8	03	21/08/2015	21/02/2014
beta-hexabromocyclododecane	-	134237-51-7	03	21/08/2015	21/02/2014
1,2,5,6,9,10-hexabromocyclododecane	221-695-9	3194-55-6	03	21/08/2015	21/02/2014
Hexabromocyclododecane	247-148-4	25637-99-4	03	21/08/2015	21/02/2014
alpha-hexabromocyclododecane	-	134237-50-6	03	21/08/2015	21/02/2014
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	04	21/02/2015	21/08/2013
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	05	21/02/2015	21/08/2013
Dibutyl phthalate (DBP)	201-557-4	84-74-2	06	21/02/2015	21/08/2013
Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	07	21/02/2015	21/08/2013
Diarsenic trioxide	215-481-4	1327-53-3	08	21/05/2015	21/11/2013
Diarsenic pentaoxide	215-116-9	1303-28-2	09	21/05/2015	21/11/2013
Lead chromate	231-846-0	7758-97-6	10	21/05/2015	21/11/2013
Lead sulfochromate yellow	215-693-7	1344-37-2	11	21/05/2015	21/11/2013
Lead chromate molybdate sulfate red	235-759-9	12656-85-8	12	21/05/2015	21/11/2013
Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13	21/08/2015	21/02/2014
2,4-dinitrotoluene (2,4-DNT)	204-450-0	121-14-2	14	21/08/2015	21/02/2014
Trichloroethylene	201-167-4	79-01-6	15	21/04/2016	21/10/2014
Chromium trioxide	215-607-8	1333-82-0	16	21/09/2017	21/03/2016
Acids generated from chromium trioxide and their oligomers	-	-	17	21/09/2017	21/03/2016
Oligomers of chromic acid and dichromic acid	-	-	17	21/09/2017	21/03/2016
Chromic acid	231-801-5	7738-94-5	17	21/09/2017	21/03/2016
Dichromic acid	236-881-5	13530-68-2	17	21/09/2017	21/03/2016
Sodium dichromate	234-190-3	10588-01-9, 7789-12-0	18	21/09/2017	21/03/2016
Potassium dichromate	231-906-6	7778-50-9	19	21/09/2017	21/03/2016
Ammonium dichromate	232-143-1	7789-09-5	20	21/09/2017	21/03/2016
Potassium chromate	232-140-5	7789-00-6	21	21/09/2017	21/03/2016
Sodium chromate	231-889-5	7775-11-3	22	21/09/2017	21/03/2016
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	23	22/08/2017	22/02/2016
Arsenic acid	231-901-9	7778-39-4	24	22/08/2017	22/02/2016
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	25	22/08/2017	22/02/2016
1,2-dichloroethane (EDC)	203-458-1	107-06-2	26	22/11/2017	22/05/2016
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	27	22/11/2017	22/05/2016
Dichromium tris(chromate)	246-356-2	24613-89-6	28	22/01/2019	22/07/2017
Strontium chromate	232-142-6	7789-06-2	29	22/01/2019	22/07/2017
Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	30	22/01/2019	22/07/2017
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	31	22/01/2019	22/07/2017
1-bromopropane	203-445-0	106-94-5	32	04/07/2020	04/01/2019
Diisopentyl phthalate	210-088-4	605-50-5	33	04/07/2020	04/01/2019
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	34	04/07/2020	04/01/2019
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	35	04/07/2020	04/01/2019
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	36	04/07/2020	04/01/2019
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	37	04/07/2020	04/01/2019
Dipentyl phthalate	205-017-9	131-18-0	38	04/07/2020	04/01/2019
N-pentyl-isopentylphthalate	-	776297-69-9	39	04/07/2020	04/01/2019
Anthracene oil	292-602-7	90640-80-5	40	04/10/2020	04/04/2019
Pitch, coal tar, high-temp.	266-028-2	65996-93-2	41	04/10/2020	04/04/2019
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	42	04/01/2021	04/07/2019
4-Nonylphenol, branched and linear, ethoxylated	-	-	43	04/01/2021	04/07/2019

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Substances restricted under REACH

Annex XVII to REACH

<https://echa.europa.eu/substances-restricted-under-reach>

Last updated June 28, 2018. Database contains 71 unique substances/entries.

Name	EC no.	CAS no.	Entry no.
Polychlorinated terphenyls (PCTs)	-	-	01
Chloroethene	200-831-0	75-01-4	02
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):	-	-	03
Hazard class 4.1	-	-	03
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	-	-	03
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	-	-	03
Hazard class 5.1.	-	-	03
Tris (2,3 dibromopropyl) phosphate	-	126-72-7	04
Benzene	200-753-7	71-43-2	05
Asbestos fibres	-	-	06
Actinolite	-	77536-66-4	06
Tremolite	-	77536-68-6	06
Crocidolite	-	12001-28-4	06
Amosite	-	12172-73-5	06
Chrysotile	-	12001-29-5, 132207-32-0	06
Anthophyllite	-	77536-67-5	06
Tris(aziridinyl)phosphinoxide	208-892-5	545-55-1	07
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	-	08
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	59536-65-1	08
Entry 9	-	-	09
o-Nitrobenzaldehyde	209-025-3	552-89-6	09
Soap bark powder (Quillaja saponaria) and its derivatives containing saponines	273-620-4	68990-67-0	09
Wood powder	-	-	09
Powder of the roots of Helleborus viridis and Helleborus niger	-	-	09
Powder of the roots of Veratrum album and Veratrum nigrum	-	-	09
Benzidine and / or its derivatives	-	-	09
Entry 10	-	-	10
Ammonium polysulphide	232-989-1	9080-17-5	10
Ammonium sulphide	235-223-4	12135-76-1	10
Ammonium hydrogen sulphide	235-184-3	12124-99-1	10
Volatile esters of bromoacetic acids	-	-	11
Methyl bromoacetate	202-499-2	96-32-2	11
Butyl bromoacetate	242-729-9	18991-98-5	11
Propyl bromoacetate	-	35223-80-4	11
Ethyl bromoacetate	203-290-9	105-36-2	11
2-naphthylamine and its salts	-	-	12
2-naphthylamine	202-080-4	91-59-8	12
Salts of 2-naphthylamine	-	-	12
2-naphthylammonium chloride	210-313-6	612-52-2	12
2-naphthylammonium acetate	209-030-0	553-00-4	12
Benzidine and its salts	-	-	13
Salts of benzidine	-	-	13
Benzidine	202-199-1	92-87-5	13
4-Nitrobiphenyl	202-204-7	92-93-3	14
4-Aminobiphenyl xenylamine and its salts	-	-	15
4-Aminobiphenyl xenylamine	202-177-1	92-67-1	15
Lead carbonates	-	-	16
Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2	215-290-6	1319-46-6	16
Neutral anhydrous carbonate (PbCO3)	209-943-4	598-63-0	16
Lead sulphates	-	-	17
Sulphuric acid, lead salt PbSO4	239-831-0	15739-80-7	17
Lead sulphate PbSO4	231-198-9	7446-14-2	17
Mercury compounds	-	-	18
Mercury	231-106-7	7439-97-6	18a
Arsenic compounds	-	-	19

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Triammonium arsenate	246-428-3	24719-13-9	19
Tricobalt diarsenate	246-429-9	24719-19-5	19
Dimethylarsinic acid	200-883-4	75-60-5	19
Roxarsone	204-453-7	121-19-7	19
Sodium dimethylarsinate	204-708-2	124-65-2	19
6,6'-dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride	205-386-6	139-93-5	19
Oxophenarsine	206-178-8	306-12-7	19
Tritylium hexafluoroarsenate	207-111-5	437-15-0	19
Neoarsphenamine	207-273-7	457-60-3	19
Oxophenarsine hydrochloride	208-682-3	538-03-4	19
Tris[(8 α ,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	208-971-4	549-59-7	19
Sulfarsphenamine	210-564-1	618-82-6	19
Phenylarsine oxide	211-275-3	637-03-6	19
Gallium arsenide	215-114-8	1303-00-0	19
Indium arsenide	215-115-3	1303-11-3	19
Diarsenic pentaoxide	215-116-9	1303-28-2, 12044-50-7	19
Arsenic sulfide	215-117-4	1303-33-9	19
Diarsenic triselenide	215-119-5	1303-36-2	19
Diarsenic trioxide	215-481-4	1327-53-3, 7440-38-2	19
Triethyl arsenite	221-543-1	3141-12-6	19
Trilead diarsenate	222-979-5	3687-31-8	19
Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate	222-993-1	3688-92-4	19
Diphenyldiarsenic acid	224-845-1	4519-32-8	19
Arsenic	231-148-6	7440-38-2	19
Arsenic acid, sodium salt	231-547-5	7631-89-2	19
Arsenic acid	231-901-9	7778-39-4	19
Disodium hydrogenarsenate	231-902-4	7778-43-0	19
Calcium arsenate	231-904-5	7778-44-1	19
Trisilver arsenite	232-048-5	7784-08-9	19
Arsenic tribromide	232-057-4	7784-33-0	19
Arsenic trichloride	232-059-5	7784-34-1	19
Trifluoroarsine	232-060-0	7784-35-2	19
Pentafluoroarsorane	232-061-6	7784-36-3	19
Mercury hydrogenarsenate	232-062-1	7784-37-4	19
Manganese hydrogenarsenate	232-063-7	7784-38-5	19
Lead hydrogen arsenate	232-064-2	7784-40-9	19
Potassium dihydrogenarsenate	232-065-8	7784-41-0	19
Diammonium hydrogenarsenate	232-067-9	7784-44-3	19
Arsenic triiodide	232-068-4	7784-45-4	19
Sodium dioxoarsenate	232-070-5	7784-46-5	19
Pentahydroxyarsorane	232-096-7	7786-36-9	19
Cobalt arsenide	248-168-6	27016-73-5	19
Nickel arsenide	248-169-1	27016-75-7	19
Tricalcium diarsenite	248-266-9	27152-57-4	19
3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate	248-532-4	27569-09-1	19
Antimony arsenate	249-347-1	28980-47-4	19
Arsenic acid, copper(2+) salt	249-916-4	29871-13-4	19
Lithium hexafluoroarsenate	249-963-0	29935-35-1	19
Ammonium copper arsenate	251-151-6	32680-29-8	19
Europium arsenide	251-206-4	32775-46-5	19
Tristrontium diarsenide	254-407-5	39297-24-0	19
Triphenylsulphonium hexafluoroarsenate(1-)	261-009-5	57900-42-2	19
Zirconium arsenide	262-524-8	60909-47-9	19
Trimanganese arsenide	262-667-6	61219-26-9	19
Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	263-516-7	62337-00-2	19
Diphenyliodonium hexafluoroarsenate	263-638-0	62613-15-4	19
4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate	264-026-6	63217-32-3	19
4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate	264-027-1	63217-33-4	19
Antimony arsenic oxide	264-904-9	64475-90-7	19
Arsenic bromide	265-296-8	64973-06-4	19
Cobalt arsenide	265-784-0	65453-05-6	19
Tris(pentane-2,4-dionato-O,O')silicon hexafluoroarsenate	266-621-6	67251-38-1	19
Slimes and Sludges, copper refining	266-977-2	67712-00-9	19
Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped	271-895-5	68611-46-1	19
Bis(pentane-2,4-dionato-O,O')boron(1+) hexafluoroarsenate(1-)	272-591-5	68892-01-3	19
Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)	273-156-2	68951-38-2	19
Lead alloy, base, dross	273-700-9	69011-59-2	19

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Lead, antimonial, dross	273-795-7	69029-51-2	19
Flue dust, lead-refining	273-809-1	69029-67-0	19
Disilver arsenide	274-573-2	70333-07-2	19
Thallium triarsenide	281-902-3	84057-85-2	19
2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	282-682-1	84282-36-0	19
2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate	282-700-8	84304-15-4	19
4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	282-701-3	84304-16-5	19
Tris[(8 α)-6'-methoxycinchonan-9(R)-ol] arsenite	303-002-2	94138-87-1	19
Gallium zinc triarsenide	308-577-3	98106-56-0	19
Vanadium(4+) diarsenate (1:1)	308-917-0	99035-51-5	19
Strychnidin-10-one, arsenite (1:1)	309-388-9	100258-44-4	19
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich	309-772-6	100995-81-1	19
Arsenic acid (H ₃ AsO ₄), magnesium salt, manganese-doped	310-019-9	102110-21-4	19
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	310-063-9	102110-62-3	19
Sodium hexafluoroarsenate(V)	624-772-9	12005-86-6	19
Sodium arsenate dibasic heptahydrate	677-900-0	10048-95-0	19
Sodium cacodylate trihydrate	682-793-9	6131-99-3	19
Flue dust, arsenic-contg.	232-434-3	8028-73-7	19
Lead arsenite	233-083-9	10031-13-7	19
Iron arsenate	233-274-7	10102-49-5	19
Iron bis(arsenate)	233-275-2	10102-50-8	19
Arsenic acid, magnesium salt	233-285-7	10103-50-1	19
Arsenic acid, copper salt	233-286-2	10103-61-4	19
Arsenic acid, calcium salt	233-287-8	10103-62-5	19
Strychnine arsenate	233-970-0	10476-82-1	19
Tricopper arsenide	234-472-6	12005-75-3	19
Dysprosium arsenide	234-473-1	12005-81-1	19
Diiron arsenide	234-474-7	12005-88-8	19
Gadolinium arsenide	234-475-2	12005-89-9	19
Holmium arsenide	234-476-8	12005-92-4	19
Lutetium arsenide	234-477-3	12005-94-6	19
Manganese arsenide	234-478-9	12005-95-7	19
Terbium arsenide	234-479-4	12006-08-5	19
Thallium arsenide	234-481-5	12006-09-6	19
Thulium arsenide	234-482-0	12006-10-9	19
Ytterbium arsenide	234-483-6	12006-12-1	19
Iron diarsenide	234-485-7	12006-21-2	19
Trizinc diarsenide	234-486-2	12006-40-5	19
Iron arsenide	234-947-8	12044-16-5	19
Digallium arsenide phosphide	234-948-3	12044-20-1	19
Tripotassium arsenide	234-949-9	12044-21-2	19
Trilithium arsenide	234-950-4	12044-22-3	19
Trisodium arsenide	234-952-5	12044-25-6	19
Praseodymium arsenide	234-953-0	12044-28-9	19
Trimagnesium diarsenide	234-954-6	12044-49-4	19
Diarsenic tritelluride	234-955-1	12044-54-1	19
Zinc diarsenide	234-956-7	12044-55-2	19
Nickel diarsenide	235-103-1	12068-61-0	19
Dichromium arsenide	235-499-6	12254-85-2	19
Erbium arsenide	235-501-5	12254-88-5	19
Lanthanum arsenide	235-502-0	12255-04-8	19
Niobium arsenide	235-503-6	12255-08-2	19
Neodymium arsenide	235-504-1	12255-09-3	19
Triantimony arsenide	235-505-7	12255-36-6	19
Samarium arsenide	235-506-2	12255-39-9	19
Yttrium arsenide	235-507-8	12255-48-0	19
Tribarium diarsenide	235-508-3	12255-50-4	19
Tricalcium diarsenide	235-509-9	12255-53-7	19
Germanium arsenide	235-547-6	12271-72-6	19
Trisilver arsenide	235-652-7	12417-99-1	19
Arsenic sulfide	235-720-6	12612-21-4	19
Ammonium dihydrogenarsenate	236-667-1	13462-93-6	19
Potassium arsenite	236-680-2	13464-35-2	19
Trisodium arsenite	236-681-8	13464-37-4	19
Trisodium arsenate	236-682-3	13464-38-5	19
Zinc arsenate	236-683-9	13464-44-3	19
Tristrontium diarsenate	236-684-4	13464-68-1	19
Tribarium diarsenate	236-762-8	13477-04-8	19
Trinickel bis(arsenate)	236-771-7	13477-70-8	19

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Trilithium arsenate	236-773-8	13478-14-3	19
Trisilver arsenate	236-841-7	13510-44-6	19
Sodium metaarsenate	239-171-3	15120-17-9	19
Copper diarsenite	240-574-1	16509-22-1	19
Potassium hexafluoroarsenate	241-102-7	17029-22-0	19
Hydrogen hexafluoroarsenate	241-128-9	17068-85-8	19
N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	244-612-8	21840-08-4	19
Aluminium arsenide	245-255-0	22831-42-1	19
Organostannic compounds	-	-	20
Di-μ-oxo-di-n-butylstanniohydroxyborane / Dibutyltin hydrogen borate C8H19BO3Sn (DBB)	401-040-5	75113-37-0	21
Pentachlorophenol and its salts and esters	-	-	22
Pentachlorophenol	201-778-6	87-86-5	22
Sodium pentachlorophenolate	205-025-2	131-52-2	22
Zinc bis(pentachlorophenolate)	220-847-1	2917-32-0	22
Pentachlorophenyl laurate	223-220-0	3772-94-9	22
Potassium pentachlorophenolate	231-911-3	7778-73-6	22
Pentachlorophenyl N-[[4-methoxyphenyl)methoxy]carbonyl]-L-serinate	245-508-5	23234-97-1	22
Pentachlorophenol esters	-	-	22
Pentachlorophenol salts	-	-	22
N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutaramate)	237-155-0	13673-51-3	22
Perchlorophenyl N-(benzyloxycarbonyl)-L-isoleucinate	237-156-6	13673-53-5	22
Perchlorophenyl S-benzyl-N-(benzyloxycarbonyl)-L-cysteinate	237-157-1	13673-54-6	22
Perchlorophenyl 5-oxo-L-prolinate	249-360-2	28990-85-4	22
Cadmium and its compounds	-	-	23
Cadmium methacrylate	246-183-2	24345-60-6	23
Cadmium epoxyoctadecanoate	247-560-4	26264-48-2	23
Cadmium succinate	205-446-1	141-00-4	23
Dimethylcadmium	208-055-4	506-82-1	23
Cadmium carbonate	208-168-9	513-78-0	23
Cadmium cyanide	208-829-1	542-83-6	23
Cadmium di(acetate)	208-853-2	543-90-8, 5743-04-4	23
Cadmium oxalate	212-408-8	814-88-0	23
Cadmium dithiocyanate	212-738-2	865-38-3	23
Barium cadmium tetrastearate	214-740-9	1191-79-3	23
Cadmium oxide	215-146-2	1306-19-0	23
Cadmium sulphide	215-147-8	1306-23-6	23
Cadmium selenide	215-148-3	1306-24-7	23
Cadmium telluride	215-149-9	1306-25-8	23
Cadmium di(octanoate)	218-585-8	2191-10-8	23
Cadmium distearate	218-743-6	2223-93-0	23
Cadmium p-toluate	219-345-5	2420-97-5	23
Cadmium bis(2-ethylhexanoate)	219-346-0	2420-98-6	23
Cadmium dilaurate	220-017-9	2605-44-9	23
Cadmium didecanoate	220-650-0	2847-16-7	23
Cadmium bis[benzoate]	221-187-7	3026-22-0	23
Cadmium 4-(1,1-dimethylethyl)benzoate	224-022-7	4167-05-9	23
Cadmium cinnamate	224-509-4	4390-97-0	23
Cadmium diformate	224-729-0	4464-23-7	23
Cadmium sebacate	224-754-7	4476-04-4	23
Cadmium nonan-1-oate	225-839-1	5112-16-3	23
Cadmium dipalmitate	229-199-4	6427-86-7	23
Cadmium dianthranilate	230-343-3	7058-55-1	23
Cadmium	231-152-8	7440-43-9	23
Cadmium bromide	232-165-1	7789-42-6	23
Cadmium fluoride	232-222-0	7790-79-6	23
Cadmium iodide	232-223-6	7790-80-9	23
Cadmium iodate	232-224-1	7790-81-0	23
Cadmium dinitrite	232-225-7	7790-83-2	23
Cadmium toluate	248-480-2	27476-27-3	23
[[N,N'-ethylenebis(glycinato)](2-)-N,N',O,O']cadmium	249-987-1	29977-13-7	23
Cadmium isooctanoate	250-118-3	30304-32-6	23
Cadmium dodecylbenzenesulphonate	250-433-6	31017-44-4	23
Cadmium (1,1-dimethylethyl)benzoate	250-515-1	31215-94-8	23
Cadmium [R-(R*,R*)]-tartrate	251-827-0	34100-40-8	23
Cadmium didocosanoate	251-927-4	34303-23-6	23
Cadmium 3,5,5-trimethylhexanoate	252-918-8	36211-44-6	23
Cadmium(2+) (R)-12-hydroxyoctadecanoate	253-979-3	38517-19-0	23

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Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate(1-)	256-488-2	49784-42-1	23
Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricadmium	256-679-0	50648-02-7	23
Boric acid, cadmium salt	257-067-6	51222-60-7	23
Cadmium o-toluate	257-860-7	52337-78-7	23
Cadmium bis(4-cyclohexylbutyrate)	259-767-7	55700-14-6	23
Cadmium divalerate	260-498-2	56982-42-4	23
Cadmium sulfoselenide red	261-218-1	58339-34-7	23
Naphthenic acids, cadmium salts	263-053-0	61789-34-2	23
Cadmium neodecanoate	263-352-6	61951-96-0	23
Cadmium bis(heptadecanoate)	263-434-1	62149-56-8	23
Cadmium pentadecanoate	264-124-9	63400-09-9	23
(S)-dichloro[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium	265-010-1	64681-08-9	23
Bis(propane-1,2-diyldiamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)]	267-692-6	67906-19-8	23
Cadmium dilinoleate	267-845-7	67939-62-2	23
Tetrapotassium [[[nitriлотris(methylene)]tris[phosphonato]](6-)-N,O,O',O'']cadmate(6-)	268-020-4	67989-93-9	23
Cadmium m-toluate	268-458-6	68092-45-5	23
Fatty acids, C10-18, cadmium salts	268-620-6	68131-58-8	23
Fatty acids, C12-18, cadmium salts	268-621-1	68131-59-9	23
Benzyltriphenylphosphonium tetrachlorocadmiate	269-289-0	68214-25-5	23
Pentapotassium hydrogen	269-685-3	68309-98-8	23
[[[ethylenebis[nitriлотis(methylene)]]tetrakis[phosphonato]](8-)]cadmate(6-)			
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	269-773-1	68332-81-0	23
Fatty acids, C14-18, cadmium salts	270-067-0	68409-82-5	23
Cadmium, benzoate p-tert-butylbenzoate complexes	270-824-5	68478-53-5	23
Pyrochlore, bismuth cadmium ruthenium	270-855-4	68479-13-0	23
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	272-220-7	68784-10-1	23
Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	272-257-9	68784-55-4	23
Fatty acids, tall-oil, cadmium salts	272-499-5	68855-80-1	23
Fatty acids, C8-18 and C18-unsatd., cadmium salts	272-529-7	68876-84-6	23
Cadmium sulfide (CdS), aluminum and copper-doped	272-539-1	68876-98-2	23
Cadmium sulfide (CdS), aluminum and silver-doped	272-540-7	68876-99-3	23
Cadmium sulfide (CdS), copper chloride-doped	272-541-2	68877-00-9	23
Cadmium sulfide (CdS), silver chloride-doped	272-542-8	68877-01-0	23
Cadmium sulfide (CdS), copper and lead-doped	272-581-0	68891-87-2	23
Fatty acids, tallow, hydrogenated, cadmium salts	273-203-7	68953-39-9	23
Resin acids and Rosin acids, cadmium salts	273-320-3	68956-81-0	23
Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-)	273-461-0	68966-97-2	23
Cadmium, dross	273-707-7	69011-69-4	23
Wastewater, cadmium sulfate electrolytic, acid	273-721-3	69012-21-1	23
Flue dust, cadmium-refining	273-754-3	69012-57-3	23
Calcines, cadmium residue	273-806-5	69029-63-6	23
Leach residues, cadmium-refining	273-811-2	69029-70-5	23
Residues, cadmium-refining	273-819-6	69029-77-2	23
Slimes and Sludges, cadmium-refining, oxidized	273-831-1	69029-90-9	23
Slimes and Sludges, cadmium sump tank	273-832-7	69029-91-0	23
Cadmium(2+) 12-hydroxyoctadecanoate	273-881-4	69121-20-6	23
Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	273-906-9	69190-99-4	23
Fatty acids, C12-18, barium cadmium salts	274-304-9	70084-75-2	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide	275-290-7	71243-75-9	23
(R)-12-hydroxyoleic acid, barium cadmium salt	275-370-1	71411-66-0	23
Tetra-μ-chlorodichlorobis[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]tricadmium, stereoisomer	276-100-5	71861-27-3	23
Fatty acids, coco, cadmium salts	276-952-8	72869-63-7	23
Zircon, cadmium yellow	277-135-9	72968-34-4	23
Cadmium isononoate	283-660-4	84696-56-0	23
Cadmium isooctadecanoate	284-428-5	84878-36-4	23
Cadmium tert-decanoate	284-429-0	84878-37-5	23
Cadmium bis(nonylphenolate)	284-441-6	84878-48-8	23
Cadmium bis(octylphenolate)	284-444-2	84878-51-3	23
Flue dust, lead-manufg., cadmium-rich	285-554-3	85117-02-8	23
Waste solids, cadmium-electrolysis, thallium-rich	285-572-1	85117-20-0	23
Fatty acids, C9-11-branched, cadmium salts	287-817-8	85586-15-8	23
Bis(5-oxo-L-prolinato-N1,O2)cadmium	288-974-5	85958-86-7	23

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Bis(5-oxo-DL-prolinate-N1,O2)cadmium	289-081-3	85994-31-6	23
Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	290-645-6	90194-35-7	23
Benzoic acid, cadmium salt, basic	290-764-3	90218-85-2	23
Decanoic acid, branched, cadmium salts	291-155-5	90342-19-1	23
Hexanoic acid, 2-ethyl-, cadmium salt, basic	291-438-3	90411-62-4	23
Propanoic acid, cadmium salt, basic	292-013-5	90529-78-5	23
Cadmium zinc lithopone yellow	292-385-9	90604-89-0	23
Cadmium lithopone yellow	292-386-4	90604-90-3	23
Leach residues, cadmium cake	293-309-7	91053-44-0	23
Leach residues, zinc ore-calcine, cadmium-copper ppt.	293-311-8	91053-46-2	23
Fatty acids, castor-oil, hydrogenated, cadmium salts	294-296-0	91697-35-7	23
Fatty acids, C8-10-branched, cadmium salts	296-092-7	92257-06-2	23
Leach residues, zinc refining flue dust, cadmium-thallium ppt.	296-097-4	92257-11-9	23
Fatty acids, C9-13-neo-, cadmium salts	296-441-3	92704-12-6	23
Fatty acids, olive-oil, cadmium salts	296-445-5	92704-15-9	23
Fatty acids, peanut-oil, cadmium salts	296-449-7	92704-19-3	23
Fatty acids, rape-oil, cadmium salts	296-454-4	92704-24-0	23
Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	296-564-2	92797-28-9	23
Nonanoic acid, branched, cadmium salt	297-692-1	93686-40-9	23
Carbonic acid, cadmium salt	298-586-8	93820-02-1	23
Bis(2-ethylhexyl mercaptoacetato -O',S)cadmium	299-281-2	93858-50-5	23
Cadmium bis(o-nonylphenolate)	299-701-4	93894-07-6	23
Cadmium bis(p-nonylphenolate)	299-703-5	93894-08-7	23
Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	299-704-0	93894-09-8	23
Cadmium (Z)-hexadec-9-enoate	299-705-6	93894-10-1	23
Cadmium isodecanoate	300-973-4	93965-24-3	23
Cadmium bis(isoundecanoate)	300-980-2	93965-30-1	23
Cadmium dimethylhexanoate	301-320-6	93983-65-4	23
Cadmium tetrapentyl bis(phosphate)	303-977-4	94232-49-2	23
Cadmium isooctyl phthalate (1:2:2)	304-193-5	94247-16-2	23
Cadmium (1-ethylhexyl) phthalate (1:2:2)	304-482-6	94275-93-1	23
Cadmium octyl phthalate (1:2:2)	304-483-1	94275-94-2	23
Leach residues, cadmium-contg. flue dust	305-417-4	94551-70-9	23
Cadmium isohexadecanoate	306-072-2	95892-12-9	23
Cadmium diisobutyl dimaleate	306-446-5	97259-82-0	23
Zircon, cadmium orange	309-029-6	99749-34-5	23
Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped	309-489-8	100402-53-7	23
Flue dust, copper-lead blast furnace, cadmium-indium-enriched	309-645-5	100656-55-1	23
Dodecanoic acid, cadmium salt, basic	309-789-9	101012-89-9	23
Octadecanoic acid, cadmium salt, basic	309-794-6	101012-93-5	23
Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	309-795-1	101012-94-6	23
Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide (TiO2), praseodymium-doped	309-896-0	101356-99-4	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	309-897-6	101357-00-0	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	309-898-1	101357-01-1	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	309-899-7	101357-02-2	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	309-900-0	101357-03-3	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	309-901-6	101357-04-4	23
Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (WO3) and zinc oxide	310-029-3	102110-30-5	23
Silicic acid, zirconium salt, cadmium pigment-encapsulated	310-077-5	102184-95-2	23
CADMIUM ACETATE, DIHYDRATE	611-525-5	5743-04-4	23
cadmium sulphate hydrate (3:8)	616-572-5	7790-84-3	23
Cadmium (II) chloride monohydrate	621-024-3	35658-65-2	23
Cadmium perchlorate hexahydrate	629-339-8	10326-28-0	23
Cadmium chloride hydrate	629-592-4	654054-66-7	23
cadmium chloride, hydrate(2:5)	640-998-0	7790-78-5	23
Cadmium compounds	-	-	23
Cadmium wolframate	232-226-2	7790-85-4	23
Cadmium zinc sulfide yellow	232-466-8	8048-07-5	23
Cadmium chloride	233-296-7	10108-64-2, 35658-65-2	23

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Cadmium sulphate	233-331-6	7790-84-3, 10124-36-4, 31119-53-6	23
Cadmium myristate	233-489-6	10196-67-5	23
Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	23
Cadmium dioleate	233-954-3	10468-30-1	23
Cadmium selenide sulphide	234-342-9	11112-63-3	23
Cadmium titanium trioxide	234-593-4	12014-14-1	23
Tricadmium diphosphide	234-595-5	12014-28-7	23
Antimony, compound with cadmium (2:3)	234-596-0	12014-29-8	23
Cadmium zirconium trioxide	235-251-7	12139-23-0	23
Pentacadmium chloridetriphosphate	235-353-1	12185-64-7	23
Dicadmium niobate	235-357-3	12187-14-3	23
Dicadmium selenide sulphide	235-392-4	12214-12-9	23
Cadmium ditantalum hexaoxide	235-561-2	12292-07-8	23
Cadmium zinc sulphide	235-672-6	12442-27-2	23
Cadmium selenide sulfide	235-724-8	12626-36-7	23
Cadmium sulfoselenide orange	235-758-3	12656-57-4	23
Tricadmium bis(phosphate)	236-764-9	13477-17-3	23
Cadmium silicate	236-765-4	13477-19-5	23
Cadmium sulphite	236-767-5	13477-23-1	23
Diboron tricadmium hexaoxide	237-225-0	13701-66-1	23
Dicadmium hexakis(cyano-C)ferrate(4-)	237-341-1	13755-33-4	23
Cadmium selenite	237-480-8	13814-59-0	23
Cadmium selenate	237-481-3	13814-62-5	23
Cadmium diricinoleate	237-544-5	13832-25-2	23
Cadmium orthophosphate	237-581-7	13847-17-1	23
Cadmium molybdenum tetroxide	237-752-6	13972-68-4	23
Cadmium disulphamate	237-832-0	14017-36-8	23
Cadmium hydrogen phosphate	237-920-9	14067-62-0	23
Cadmium bis(diethyldithiocarbamate)	238-113-4	14239-68-0	23
Cadmium chromate	238-252-0	14312-00-6	23
Cadmium dipotassium tetracyanide	238-371-8	14402-75-6	23
Cadmium tetrafluoroborate	238-490-5	14486-19-2	23
Bis(dibutyldithiocarbamato-S,S')cadmium	238-609-0	14566-86-0	23
Bis(pentane-2,4-dionato-O,O')cadmium	238-730-9	14689-45-3	23
Tris(ethylenediamine)cadmium dihydroxide	238-945-8	14874-24-9	23
Cadmium diicosanoate	238-994-5	14923-81-0	23
Cadmium bis(piperidine-1-carbodithioate)	239-025-9	14949-59-8	23
Bis(dimethyldithiocarbamato-S,S')cadmium	239-026-4	14949-60-1	23
Lauric acid, barium cadmium salt	239-371-0	15337-60-7	23
Disodium tetrakis(cyano-C)cadmate(2-)	239-765-2	15682-87-8	23
Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	239-801-7	15708-29-9	23
Cadmium acrylate	239-835-2	15743-19-8	23
Cadmium tellurium trioxide	239-963-9	15851-44-2	23
Cadmium tellurium tetraoxide	239-973-3	15852-14-9	23
Cadmium dilactate	240-181-5	16039-55-7	23
Cadmium divanadium hexoxide	240-203-3	16056-72-7	23
5-oxo-L-proline, cadmium salt	240-269-3	16105-06-9	23
Cadmium propionate	241-066-2	16986-83-7	23
Cadmium hexafluorosilicate(2-)	241-084-0	17010-21-8	23
Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)]	242-708-4	18974-20-4	23
Cadmium diphenolate	242-727-8	18991-05-4	23
Cadmium bis(dipentyldithiocarbamate)	242-747-7	19010-65-2	23
Cadmium disalicylate	242-749-8	19010-79-8	23
Cadmium hydroxide	244-168-5	21041-95-2	23
Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141	-	76253-60-6	24
Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21	-	-	25
Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	-	99688-47-8	26
Nickel and its compounds	-	-	27
Nickel compounds	-	-	27
Nickel	231-111-4	7440-02-0	27
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	28

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Carcinogen category 1B (Table 3.1)/ carcinogen category 2 (Table 3.2) listed in Appendix 2	-	-	28
Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1	-	-	28
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	29
Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4	-	-	29
Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3	-	-	29
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	30
Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6	-	-	30
Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	-	-	30
Entry 31	-	-	31
Creosote oil; wash oil	263-047-8	61789-28-4	31
Tar acids, coal, crude; crude phenols	266-019-3	65996-85-2	31
Distillates (coal tar), upper; heavy anthracene oil	266-026-1	65996-91-0	31
Distillates (coal tar), naphthalene oils; naphthalene oil	283-484-8	84650-04-4	31
Creosote, wood	232-419-1	8021-39-4	31
Creosote oil, acenaphthene fraction; wash oil	292-605-3	90640-84-9	31
Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline	310-191-5	122384-78-5	31
Creosote; wash oil	232-287-5	8001-58-9	31
Anthracene oil	292-602-7	90640-80-5	31
Chloroform	200-663-8	67-66-3	32
1,1,2-Trichloroethane	201-166-9	79-00-5	34
1,1,2,2-Tetrachloroethane	201-197-8	79-34-5	35
1,1,1,2-Tetrachloroethane	-	630-20-6	36
Pentachloroethane	200-925-1	76-01-7	37
1,1-Dichloroethene	200-864-0	75-35-4	38
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	-	-	40
Hexachloroethane	200-666-4	67-72-1	41
Azocolourants and Azodyes	-	-	43
Diphenylether, octabromo derivative C ₁₂ H ₂ Br ₈ O	-	-	45
Entry 46	-	-	46
Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	-	-	46
Nonylphenol C ₆ H ₄ (OH)C ₉ H ₁₉	246-672-0	25154-52-3	46
Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	-	-	46a
Nonylphenol, ethoxylated	500-024-6	9016-45-9	46a
4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	46a
Isononylphenol, ethoxylated	609-346-2	37205-87-1	46a
4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	46a
Nonylphenol, branched, ethoxylated, phosphated	614-460-0	68412-53-3	46a
Nonylphenol, branched, ethoxylated	500-209-1	37205-87-1, 68412-54-4	46a
Chromium VI compounds	-	-	47
Toluene	203-625-9	108-88-3	48
Trichlorobenzene	204-428-0	120-82-1	49
Polycyclic-aromatic hydrocarbons (PAH)	-	-	50
Benzo[a]pyrene (BaP)	-	50-32-8	50
Dibenzo[a,h]anthracene (DBaHA)	-	53-70-3	50
Benzo[a]anthracene (BaA)	-	56-55-3	50
Chrysen (CHR)	-	218-01-9	50
Benzo[j]fluoranthene (BjFA)	-	205-82-3	50
Benzo[b]fluoranthene (BbFA)	-	205-99-2	50
Benzo[k]fluoranthene (BkFA)	-	207-08-9	50

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Benzo[e]pyrene (BeP)	-	192-97-2	50
The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 51]	-	-	51
Dibutyl phthalate (DBP)	201-557-4	84-74-2	51
Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	51
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	51
The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52]	-	-	52
Di-n-octyl phthalate (DNOP)	204-214-7	117-84-0	52
Di-"isodecyl" phthalate (DIDP)	247-977-1	26761-40-0	52
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	271-091-4	68515-49-1	52
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0	52
Di-"isononyl" phthalate (DINP)	249-079-5	28553-12-0	52
2-(2-methoxyethoxy)ethanol (DEGME)	203-906-6	111-77-3	54
2-(2-butoxyethoxy)ethanol (DEGBE)	203-961-6	112-34-5	55
Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members):	-	-	56
Methylenediphenyl diisocyanate (MDI)	247-714-0	26447-40-5	56
2,4'-Methylenediphenyl diisocyanate	227-534-9	5873-54-1	56
2,2'-Methylenediphenyl diisocyanate	219-799-4	2536-05-2	56
4,4'-Methylenediphenyl diisocyanate	202-966-0	101-68-8	56
Cyclohexane	203-806-2	110-82-7	57
Ammonium nitrate (AN)	229-347-8	6484-52-2	58
Dichloromethane	200-838-9	75-09-2	59
Acrylamide	201-173-7	79-06-1	60
Dimethylfumarate (DMF)	210-849-0	624-49-7	61
Entry 62	-	-	62
Phenylmercury acetate	200-532-5	62-38-4	62
Phenylmercury propionate	203-094-3	103-27-5	62
Phenylmercury 2-ethylhexanoate	236-326-7	13302-00-6	62
Phenylmercury octanoate	-	13864-38-5	62
Phenylmercury neodecanoate	247-783-7	26545-49-3	62
Lead and its compounds	-	-	63
Lead compounds	-	-	63
Lead	231-100-4	7439-92-1	63
1,4-Dichlorobenzene	203-400-5	106-46-7	64
Inorganic ammonium salts	-	-	65
4,4'-isopropylidenediphenol	201-245-8	80-05-7	66
Bis(pentabromophenyl) ether	214-604-9	1163-19-5	67
Perfluorooctanoic acid and its salts	-	-	68
Methanol	200-659-6	67-56-1	69
Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5)	-	-	70
1-methyl-2-pyrrolidone	212-828-1	872-50-4	71