



Statement on REACH Articles Provisions from GLF Integrated Power INC

GLF Integrated Power Inc. hereby declares (based on information we obtained from our suppliers) that with respect to the requirements of REACH:

With regard to the Substances of Very High Concern (SVHC) candidate list published on the European Chemicals Agency (ECHA) website, based on information from our suppliers and internal chemical screening processes GLF products do not contain any of the SVHC candidates listed herein above the regulatory threshold of 0.1%, unless otherwise specified:

The European Regulation 1907/2006 on the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) entered into force on 1st June, 2007.

Article 33 of REACH requires suppliers to inform recipients and respond to consumer enquiries if an article contains more than 0.1% (by weight per article) of any substance on the candidate list of Substances of Very High Concern (SVHC).

The latest revision to the candidate list was published by the European Chemicals Agency on 27th Jun, 2024 at: <http://echa.europa.eu/candidate-list-table>

Only used when a REACH SVHC is contained above 0.1% REACH Article threshold. Any REACH SVHC above the threshold is not restricted from use but if contained above threshold, further information must be available.

Print Name: Sugar Tang

Date: 2024-7-17





The following list of SVHC candidates was last updated by ECHA on Jan 23, 2024 and includes 240 substances

No.	Substance Category Name	CAS number(s) published by ECHA	EC number	Identification as a Basic SVHC	Date of inclusion	Batch
1	Triethyl arsenate	15606-95-8	427-700-2	Carcinogenic, article 57a	2008/10/28	1
2	Sodium dichromate, dihydrate	7789-12-0, 10588-01-9	234-190-3	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c	2008/10/28	
3	Lead hydrogen arsenate	7784-40-9	232-064-2	Carcinogenic and toxic for reproduction, article 57a & 57c	2008/10/28	
4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	247-148-4, 221-695-9	PBT, article 57d	2008/10/28	
5	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Toxic for reproduction, article 57c	2008/10/28	
6	Diarsenic trioxide	1327-53-3	215-481-4	Carcinogenic, article 57a	2008/10/28	
7	Diarsenic pentoxide	1303-28-2	215-116-9	Carcinogenic, article 57a	2008/10/28	
8	Bis(tributyltin) oxide (TBTO)	56-35-9	200-268-0	PBT, article 57d Toxic for reproduction, article 57c	2008/10/28	
9	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	Also Included on REACH SVHC List 2014/12/17	2008/10/28	
10	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Toxic for reproduction, article 57c	2008/10/28	
11	Anthracene	120-12-7	204-371-1	PBT, article 57d	2008/10/28	
12	Alkanes, Shortchain Chlorinated Paraffins (C10 - C13)	85535-84-8	287-476-5	PBT and vPvB, article 57d & e	2008/10/28	
13	5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	201-329-4	vPvB, article 57e	2008/10/28	
14	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	Carcinogenic, article 57a Carcinogenic and toxic for reproduction, article 57a & 57c	2008/10/28	
15	Cobalt dichloride (CoCl ₂)	7646-79-9	231-589-4	Also Included on REACH SVHC List 2011/06/20	2008/10/28	
16	Tris (2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	Toxic for reproduction, article 57c	2010/1/13	2
17	Coal tar pitch, high temperature	65996-93-2	266-028-2	Carcinogenic, PBT and vPvB, articles a, d & e	2010/1/13	
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	Carcinogenic, toxic for reproduction, article 57a & 57c	2010/1/13	
19	Lead chromate molybdate sulfate red (C.I.Pigment Red 104)	12656-85-8	235-759-9	Carcinogenic and toxic for reproduction, article 57a & 57c	2010/1/13	
20	Lead chromate	7758-97-6	231-846-0	Carcinogenic and toxic for reproduction, article 57a & 57c	2010/1/13	
21	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	Toxic for reproduction, article 57c	2010/1/13	
22	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e	2010/1/13	
23	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e	2010/1/13	
24	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e	2010/1/13	
25	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e	2010/1/13	
26	Anthracene oil	90640-80-5	292-602-7	Carcinogenic, PBT and vPvB, articles a, d & e	2010/1/13	
27	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogenic, article 57a	2010/1/13	3
28	Acrylamide	79-06-1	201-173-7	Carcinogenic and mutagenic, article 57a & 57b	2010/3/30	
29	Sodium chromate	7775/11/3	231-889-5	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c	2010/6/18	
30	Potassium chromate	7789-00-6	232-140-5	Carcinogenic, mutagenic, article 57a & 57b	2010/6/18	
31	Ammonium dichromate	7789/9/5	232-143-1	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c	2010/6/18	
32	Potassium dichromate	7778-50-9	231-906-6	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c	2010/6/18	
33	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	Toxic for reproduction, article 57c	2010/6/18	
34	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	215-540-4	Toxic for reproduction, article 57c	2010/6/18	
35	Boric acid	10043-35-3, 11113-50-1	233-139-2, 234-343-4,	Toxic for reproduction, article 57c	2010/6/18	
36	Trichloroethylene	1979/1/6	201-167-4	Carcinogenic, article 57a	2010/6/18	
37	Chromium Trioxide	1333-82-0	215-607-8	Carcinogenic and mutagenic, article 57a & 57b	2010/12/15	4



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38	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.	7738-94-5, 13530-68-2	231-801-5, 236-881-5	Carcinogenic, article 57a	2010/12/15	
39	2-Ethoxyethanol	110-80-5	203-804-1	Toxic for reproduction, article 57c	2010/12/15	
40	2-Methoxyethanol	109-86-4	203-713-7	Toxic for reproduction, article 57c	2010/12/15	
41	Cobalt(II) Diacetate	71-48-7	200-755-8	Carcinogenic and toxic for reproduction, article 57a & 57C	2010/12/15	
42	Cobalt(II) Carbonate	513-79-1	208-169-4	Carcinogenic and toxic for reproduction, article 57a & 57c	2010/12/15	
43	Cobalt(II) Dinitrate	10141-05-6	233-402-1	Carcinogenic and toxic for reproduction, article 57a & 57C	2010/12/15	
44	Cobalt(II) Sulphate	10124-43-3	233-334-2	Carcinogenic and toxic for reproduction, article 57a & 57c	2010/12/15	
45	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	Toxic for reproduction, article 57c	2011/6/20	5
46	1,2,3-Trichloropropane	96-18-4	202-486-1	Carcinogenic and toxic for reproduction, article 57a & 57C	2011/6/20	
47	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Toxic for reproduction, article 57c	2011/6/20	
48	Hydrazine	302-01-2, 7803-57-8	206-114-9	Carcinogenic, article 57a	2011/6/20	
49	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	Toxic for reproduction, article 57c	2011/6/20	
50	Strontium chromate	7789/6/2	232-142-6	Carcinogenic, article 57a	2011/6/20	
51	2-Ethoxyethyl acetate	111-15-9	203-839-2	Toxic for reproduction, article 57c	2011/6/20	
52	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	Carcinogenic, article 57a	2011/12/19	6
53	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Toxic for reproduction, article 57c	2011/12/19	
54	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction, article 57c	2011/12/19	
55	Calcium arsenate	7778-44-1	231-904-5	Carcinogenic, article 57a	2011/12/19	
56	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	Carcinogenic, article 57a	2011/12/19	
57	Lead dipicrate	6477-64-1	229-335-2	Toxic for reproduction, article 57c	2011/12/19	
58	N,N-dimethylacetamide	127-19-5	204-826-4	Toxic for reproduction, article 57c	2011/12/19	
59	Arsenic acid	7778-39-4	231-901-9	Carcinogenic, article 57a	2011/12/19	
60	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carcinogenic, article 57a	2011/12/19	
61	Trilead diarsenate	3687-31-8	222-979-5	Carcinogenic and toxic for reproduction, article 57a & 57C	2011/12/19	
62	1,2-dichloroethane	107-06-2	203-458-1	Carcinogenic, article 57a	2011/12/19	
63	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	Carcinogenic, article 57a	2011/12/19	
64	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	Carcinogenic, article 57a	2011/12/19	
65	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	Equivalent level of concern having probable serious effects to the environment, article 57f	2011/12/19	
66	Lead diazide, Lead azide	13424-46-9	236-542-1	Toxic for reproduction, article 57c	2011/12/19	
67	Phenolphthalein	1977/9/8	201-004-7	Carcinogenic, article 57a	2011/12/19	
68	Dichromium tris(chromate)	24613-89-6	246-356-2	Carcinogenic, article 57a	2011/12/19	
69	Lead styphnate	15245-44-0	239-290-0	Toxic for reproduction, article 57c	2011/12/19	
70	Zirconia Aluminosilicate Refractory Ceramic Fibres 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 (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	No CAS number(s) provided	No EC number(s) provided	Carcinogenic, article 57a Was also on REACH SVHC list published 13/01/2010	2011/12/19	





71	Aluminosilicate Refractory Ceramic Fibres 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	No CAS number(s) provided	No EC number(s) provided	Carcinogenic, article 57 Was also on REACH SVHC list published 13/01/2010	2011/12/19	7
72	Diboron trioxide	1303-86-2	215-125-8	Toxic for reproduction, article 57c	2012/6/18	
73	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	Toxic for reproduction, article 57c	2012/6/18	
74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction, article 57c	2012/6/18	
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction, article 57c	2012/6/18	
76	Formamide	1975/12/7	200-842-0	Toxic for reproduction, article 57c	2012/6/18	
77	1,3,5-tris(oxiran-2-ylmethyl)-1,3,5- triazinane-2,4,6- trione (TGIC)	2451-62-9	219-514-3	Mutagenic (Article 57b)	2012/6/18	
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (B-TGIC)	59653-74-6	423-400-0	Mutagenic (Article 57b)	2012/6/18	
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic, article 57a	2012/6/18	
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	Carcinogenic (Article 57a)	2012/6/18	
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	219-943-6	Carcinogenic, article 57a	2012/6/18	8
82	a,a-Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	229-851-8	Carcinogenic (Article 57a)	2012/6/18	
83	[4-[[4-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with greater than or equal to 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No.202-959-2)]	548-62-9	208-953-6	Carcinogenic (Article 57a)	2012/6/18	
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with greater than or equal to 0.1% of Michler's ketone (EC No.202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	209-218-2	Carcinogenic, article 57a	2012/6/18	
85	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Toxic for reproduction (Article 57 c)	2012/12/19	
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	Carcinogenic (Article 57a)	2012/12/19	
87	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	vPvB (Article 57 e)	2012/12/19	
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [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]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	Equivalent level of concern having probable serious effects to human health (Article 57f)	2012/12/19	
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and transisomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	Equivalent level of concern having probable serious effects to human health (Article 57f)	2012/12/19	
90	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	Toxic for reproduction (Article 57c)	2012/12/19	
91	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	Toxic for reproduction (Article 57 c)	2012/12/19	
92	Lead dinitrate	10099-74-8	233-245-9	Toxic for reproduction (Article 57 c)	2012/12/19	
93	Silicic acid, lead salt	11120-22-2	234-363-3	Toxic for reproduction (Article 57 c)	2012/12/19	
94	4-Aminoazobenzene	1960/9/3	200-453-6	Carcinogenic (Article 57a)	2012/12/19	
95	Lead titanium zirconium oxide	12626-81-2	235-727-4	Toxic for reproduction (Article 57 c)	2012/12/19	
96	Lead monoxide (lead oxide)	1317-36-8	215-267-0	Toxic for reproduction (Article 57 c)	2012/12/19	
97	o-Toluidine	95-53-4	202-429-0	Carcinogenic (Article 57a)	2012/12/19	
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	421-150-7	Toxic for reproduction (Article 57c)	2012/12/19	



99	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [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]	68784-75-8	272-271-5	Toxic for reproduction (Article 57 c)	2012/12/19	
100	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	Toxic for reproduction (Article 57 c)	2012/12/19	
101	Furan	110-00-9	203-727-3	Carcinogenic (Article 57a)		
102	N,N-dimethylformamide	1968/12/2	200-679-5	Toxic for reproduction (Article 57 c)		
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	Equivalent level of concern having probable serious effects to human health (Article 57 f)		
104	4-Nonylphenol, branched and linear [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]	-	-	Equivalent level of concern having probable serious effects to human health (Article 57f)	2012/12/19	
105	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carcinogenic (Article 57a)	2012/12/19	
106	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic (Article 57a); Mutagenic (Article 57b)	2012/12/19	
107	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic (Article 57a)	2012/12/19	
108	Lead oxide sulfate	12036-76-9	234-853-7	Toxic for reproduction (Article 57 c)	2012/12/19	
109	Lead titanium trioxide	12060-00-3	235-038-9	Toxic for reproduction (Article 57 c)	2012/12/19	
110	Acetic acid, lead salt, basic	51404-69-4	257-175-3	Toxic for reproduction (Article 57 c)	2012/12/19	
111	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	Toxic for reproduction (Article 57 c)	2012/12/19	
112	Bis(pentabromophenyl)ether decabromodiphenyl ether; DecaBDE	1163-19-5	214-604-9	PBT (Article 57 d); vPvB (Article 57 e)	2012/12/19	
113	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction (Article 57c)	2012/12/19	
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Toxic for reproduction (Article 57c)	2012/12/19	
115	1,2-Diethoxyethane	629-14-1	211-076-1	Toxic for reproduction (Article 57 c)	2012/12/19	
116	Tetralead trioxide sulphate	12202-17-4	235-380-9	Toxic for reproduction (Article 57c)		
117	N-pentyl-isopentylphthalate	776297-69-9	-	Toxic for reproduction (Article 57 c)		
118	Dioxobis(stearato)trilead	12578-12-0	235-702-8	Toxic for reproduction (Article 57 c)		
119	Tetraethyllead	78-00-2	201-075-4	Toxic for reproduction (Article 57c)		
120	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	Toxic for reproduction (Article 57 c)	2012/12/19	
121	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB (Article 57 e)	2012/12/19	
122	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB (Article 57 e)	2012/12/19	
123	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	vPvB (Article 57 e)	2012/12/19	
124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	Toxic for reproduction (Article 57 c)	2012/12/19	
125	Methoxyacetic acid	625-45-6	210-894-6	Toxic for reproduction (Article 57 c)	2012/12/19	
126	4-methyl-m-phenylenediamine (toluene-2,4- diamine)	95-80-7	202-453-1	Carcinogenic (Article 57a)	2012/12/19	
127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	Carcinogenic (Article 57a); Mutagenic (Article 57b)	2012/12/19	
128	Trilead dioxide phosphonate	12141-20-7	235-252-2	Toxic for reproduction (Article 57c)	2012/12/19	
129	o-aminoazotoluene	97-56-3	202-591-2	Carcinogenic (Article 57a)	2012/12/19	
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction (Article 57 c)	2012/12/19	
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic (Article 57a); Mutagenic (Article 57b)	2012/12/19	
132	Orange lead (lead tetroxide)	1314-41-6	215-235-6	Toxic for reproduction (Article 57 c)	2012/12/19	
133	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic (Article 57a)	2012/12/19	
134	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Toxic for reproduction (Article 57 c)	2012/12/19	
135	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	Toxic for reproduction (Article 57 c)	2012/12/19	
136	Diazene-1,2-dicarboxamide (C,C' - azodi(formamide)) (ADCA)	123-77-3	204-650-8	Equivalent level of concern having probable serious effects to human health (Article 57 f)	2012/12/19	
137	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	Toxic for reproduction (Article 57 c)	2012/12/19	
138	Lead cyanamidate	20837-86-9	244-073-9	Toxic for reproduction (Article 57 c)	2012/12/19	
139	Cadmium	7440-43-9	231-152-8	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f)	2013/6/20	9

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140	Cadmium oxide	1306-19-0	215-146-2	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f)	2013/6/20	
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	Toxic for reproduction (Article 57c); PBT (Article 57d)	2013/6/20	
142	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	Toxic for reproduction (Article 57c); PBT (Article 57d)	2013/6/20	
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction (Article 57c)	2013/6/20	
144	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]	-	-	Equivalent level of concern having probable serious effects to the environment (Article 57f)	2013/6/20	
145	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)	1937-37-7	217-710-3	Carcinogenic (Article 57a)	2013/12/16	10
146	Trixylyl phosphate	25155-23-1	246-677-8	Toxic for reproduction (Article 57c)	2013/12/16	
147	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	Carcinogenic (Article 57a)	2013/12/16	
148	Dihexyl phthalate	84-75-3	201-559-5	Toxic for reproduction (Article 57c)	2013/12/16	
149	Imidazolidine-2-thione; (2-imidazoline-2- thiol)	96-45-7	202-506-9	Toxic for reproduction (Article 57c)	2013/12/16	
150	Cadmium sulphide	1306-23-6	215-147-8	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57f)	2013/12/16	11
151	Lead di(acetate)	301-04-2	206-104-4	Toxic for reproduction (Article 57c)	2013/12/16	
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for reproduction (Article 57c)	2014/6/16	
153	Cadmium chloride	10108-64-2	233-296-7	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57f)	2014/6/16	
154	Sodium perborate; perboric acid, sodium salt	-	239-172-9; 234-390-0	Toxic for reproduction (Article 57c)	2014/6/16	
155	Sodium peroxometaborate	7632/4/4	231-556-4	Toxic for reproduction (Article 57c)	2014/6/16	12
156	Cadmium fluoride	7790-79-6	232-222-0	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57f)	2014/12/17	
157	Cadmium sulfate	10124-36-4 31119-53-6	233-331-6	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57f)	2014/12/17	
158	2-Benzotriazol-2-yl-4, 6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT (Article 57d); vPvB (Article 57e)	2014/12/17	
159	2-(2H-benzotriazol-2-yl)-4, 6- diertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT (Article 57d); vPvB (Article 57e)	2014/12/17	
160	2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	Toxic for reproduction (Article 57c)	2014/12/17	13
161	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-Il2[(2ethylhexyl)oxy]-2-oxoethylthio)-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	Toxic for reproduction (Article 57c)	2014/12/17	
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with greater than or equal to 0.3% of dihexyl phthalate	68515-51-5, 68648-93-1	271-094-0; 272-013-1	Toxic for reproduction (Article 57c)	2015/6/15	
163	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]	No CAS number(s) provided	No EC number(s) provided	vPvB (Article 57e)	2015/6/15	
164	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic (Article 57 a)	2015/12/17	
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2- yl)phenol (UV-327)	3864-99-1	223-383-8	vPvB (Article 57 e)	2015/12/18	14
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6- (sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB (Article 57 e)	2015/12/19	
167	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction (Article 57 c)	2015/12/20	



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168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4	206-801-3	Toxic for reproduction (Article 57 c); PBT (Article 57 d)	2015/12/21	
169	Benzo[def]chrysene	50-32-8	200-028-5	Carcinogenic (Article 57 a), Mutagenic (Article 57b), Toxic for reproduction (Article 57c), PBT (Article 57d), vPvB (Article 57 e)	2016/6/20	15
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	201-245-8	1980/5/7	Toxic for reproduction (Article 57c)	2017/1/12	16
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2, 3830-45-3, 3108-42-7	Toxic for reproduction (Article 57c) PBT (Article 57d)	2017/1/12	
172	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Equivalent level of concern having probable serious effects to environment (Article 57f)	2017/1/12	
173	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]	-	-	Equivalent level of concern having probable serious effects to environment (Article 57f)	2017/1/12	
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS	--	--	vPvB (Article 57e)	2017/7/7	17
175	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	Carcinogenic (Article 57a); PBT (Article 57d) vPvB (Article 57e)	2018/1/15	18
176	Cadmium carbonate	513-78-0	208-168-9	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	2018/1/15	
177	Cadmium hydroxide	21041-95-2	244-168-5	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	2018/1/15	
178	Cadmium nitrate	10022-68-1, 10325-94-7	233-710-6	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	2018/1/15	
179	Chrysene	218-01-9, 1719-03-5	205-923-4	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	2018/1/15	
180	Dodecachloropentacyclo[12.2.1.16.9.02.13.0 5,10]octadeca-7,15-diene ("Dechlorane Plus"™)	----	----	vPvB (Article 57e)	2018/1/15	
181	Reaction products of 1,3,4-thiadiazolidine- 2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	----	----	Endocrine disrupting properties (Article 57(f)- environment)	2018/1/15	
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	209-008-0	Respiratory sensitising properties (Article 57(f) - human health)	2018/6/27	19
183	Benzo[ghi]perylene	191-24-2	205-883-8	PBT (Article 57d); vPvB (Article 57e)	2018/6/27	
184	Decamethylcyclotetrasiloxane	541-02-6	208-764-9	PBT (Article 57d); vPvB (Article 57e)	2018/6/27	
185	Dicyclohexyl phthalate	84-61-7	201-545-9	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health)	2018/6/27	
186	Disodium octaborate	12008-41-2	234-541-0	Toxic for reproduction (Article 57c)	2018/6/27	
187	Dodecamethylcyclohexasiloxane	540-97-6	208-762-8	PBT (Article 57d); vPvB (Article 57e)	2018/6/27	
188	Ethylenediamine	107-15-3	203-468-6	Respiratory sensitising properties (Article 57(f) - human health)	2018/6/27	
189	Lead	7439-92-1	231-100-4	Toxic for reproduction (Article 57c)	2018/6/27	
190	Octamethylcyclotetrasiloxane	556-67-2	209-136-7	PBT (Article 57d); vPvB (Article 57e)	2018/6/27	20
191	Terphenyl, hydrogenated	61788-32-7	262-967-7	vPvB (Article 57e)	2018/6/27	
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	Endocrine disrupting properties (Article 57(f)- environment)	2019/1/15	
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Toxic for reproduction (Article 57c); Carcinogenic (Article 57a)	2019/1/15	
194	Benzo[k]fluoranthene	207-08-9	205-916-6	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	2019/1/15	
195	Fluoranthene	206-44-0; 93951-69-0	205-912-4	PBT (Article 57d); vPvB (Article 57e)	2019/1/15	
196	Phenanthrene	1985/1/8	201-581-5	vPvB (Article 57e)	2019/1/15	
197	Pyrene	129-00-0; 1718-52-1	204-927-3	PBT (Article 57d); vPvB (Article 57e)	2019/1/15	21
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-	-	Endocrine disrupting properties (Article 57(f)- environment)	2019/7/16	





199	2-methoxyethyl acetate	110-49-6	203-772-9	Toxic for reproduction (Article 57c)	2019/7/16	22
200	4-tert-butylphenol	98-54-4	202-679-0	Endocrine disrupting properties (Article 57(f)- environment)	2019/7/16	
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4- nonylphenol, branched and linear (4-NP)	-	-	Endocrine disrupting properties (Article 57(f)- environment)	2019/7/16	
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Equivalent level of concern having probable serious effects to human health (Article 57(f)- human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)	2020/1/16	
203	Diisohexyl phthalate	71850-09-4	276-090-2	Toxic for reproduction (Article 57c)	2020/1/16	23
204	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	400-600-6	Toxic for reproduction (Article 57c)	2020/1/16	
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	Toxic for reproduction (Article 57c)	2020/1/16	
206	1-vinylimidazole	1072-63-5	214-012-0	Toxic for reproduction (Article 57c)	2020/6/25	
207	2-methylimidazole	693-98-1	211-765-7	Toxic for reproduction (Article 57c)	2020/6/25	23
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	Toxic for reproduction (Article 57c)	2020/6/25	
209	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8	202-318-7	Endocrine disrupting properties - human health (Article 57(f) – human health)	2020/6/25	24
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	Toxic for reproduction (Article 57c)	2021/1/19	
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	Toxic for reproduction (Article 57c)	2021/1/19	
212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)	2021/7/8	25
	Phenol, dodecyl-, branched	121158-58-5	310-154-3			
	Phenol, (tetrapropenyl) derivatives	74499-35-7	-			
	Phenol, 4-dodecyl, branched	210555-94-5	-			
	4-isododecylphenol	27459-10-5	-			
	Phenol, tetrapropylene-	57427-55-1	-			
	Phenol, 4-isododecyl-	27147-75-7	-			
	Orthoboric acid, sodium salt	-	-	Toxic for reproduction (Article 57c)		
213	Boric acid (H3BO3), sodium salt, hydrate	25747-83-5	-		2021/7/8	
	Boric acid (H3BO3), disodium salt	22454-04-2	-			
	Trisodium orthoborate	14312-40-4	238-253-6			
	Boric acid, sodium salt	1333-73-9	215-604-1			
	Orthoboric acid, sodium salt	13840-56-7	237-560-2			
	Boric acid (H3BO3), sodium salt (1:1)	14890-53-0	-			
214	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	-	-	PBT (Article 57d) vPvB (Article 57e)	2021/7/8	
	Alkanes, C14-16, chloro	1372804-76-6	-			
	Alkanes, C14-17, chloro	85535-85-9	287-477-0			
	di-, tri- and tetrachlorotetradecane	-	-			
	Tetradecane, chloro derivs.	198840-65-2	-			
215	Glutaral	111-30-8	203-856-5	Respiratory sensitising properties (Article 57(f)- human health)	2021/7/8	
216	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)	2021/7/8	
217	2-(4-tert- butylbenzyl)propionaldehyde and its individual stereoisomers (2R)-3-(4-tert-butylphenyl)-2-methylpropanal; 2-(4-tert-butylbenzyl)propionaldehyde (2S)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-31-3 80-54-6 75166-30-2	201-289-8	Toxic for reproduction (Article 57c)	2021/7/8	



218	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3- bromo- 2, 2-bis(bromomethyl)-1-propanol(TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0, 36483-57-5, 155-92-5, 96-13-9	221-967-7, 253-057-0, 202-480-9	Carcinogenic (Article 57a)	2021/7/8	
219	1,4-dioxane	123-91-1	204-661-8	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)	2021/7/8	
220	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	Toxic for reproduction (Article 57c)	2022/1/17	
221	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2-ethylhexyl) O- (isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	PBT (Article 57d)	2022/1/17	26
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	Toxic for reproduction (Article 57c)	2022/1/17	
223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan- 2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	Endocrine disrupting properties (Article 57(f) - human health)	2022/1/17	
	(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	1782069-81-1	-			
	(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	95342-41-9	-			
	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	852541-25-4	-			
	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene] bicyclo[2.2.1]heptan-2-one	36861-47-9	253-242-6			
	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	741687-98-9	-			
	(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	852541-30-1	-			
	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene) bicyclo[2.2.1]heptan-2-one	852541-21-0	-			
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	Carcinogenic (Article 57a)	2022/6/10	27
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3		2023/1/17	28
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	Carcinogenic (Article 57a)		
227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)		
228	Barium diboron tetraoxide	13701-59-2	237-222-4	Toxic for reproduction (Article 57c)		
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	vPvB (Article 57e)		
230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	Endocrine disrupting properties (Article 57(f) - human health)		
231	Melamine	108-78-1	203-615-4	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)		
232	Perfluoroheptanoic acid and its salts	-	-	Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)		
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4- (1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4- (heptafluoropropyl)morpholine	-	473-390-7	vPvB (Article 57e)		
234	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	278-355-8	Toxic for reproduction (Article 57c)		
235	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	vPvB(Article 57e)		
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	Toxic for reproduction (Article 57c)#PBT (Article 57d)	2024/1/23	30
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenol (UV-329)	3147-75-9	221-573-5	vPvB (Article 57e)		
238	2-(dimethylamino)-2-[(4-methylphenyl) methyl]-1-[4- (morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	Toxic for reproduction (Article 57c)		
239	Bumetrizole (UV-326)	3896-11-5	223-445-4	vPvB (Article 57e)		
240	Oligomerisation and alkylation reaction products of 2- phenylpropene and phenol	-	700-960-7	vPvB (Article 57e)		
241	Bis(α,α-dimethylbenzyl) peroxide	201-279-3	80-43-3	Toxic for reproduction (Article 57c)	2024/6/27	31