

# REACH DECLARATION

## REACH EC/1907-2006 SVHC ANNEX 1 COMPLIANCE

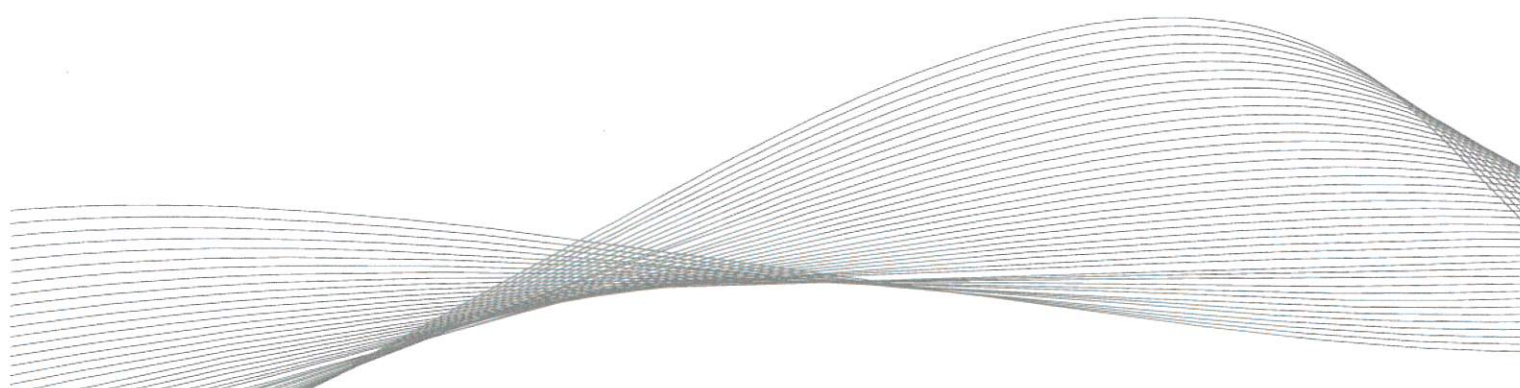
Registration, Evaluation, Authorization and Restriction of Chemicals

Please be advised that this certification covers all products that are supplied by **Elatec GmbH**; as there are:

**TWN3 Family, TWN4 Family, TCPCConv, TCPCConv 2, TCP3 and all accessories and/or spare parts shipped individually.**

This certification covers all materials included in the above listed products including the general classification of plastics, rubber, metal, coatings, plating, and adhesives. The above listed Articles do not intentionally release any substances as defined in the REACH regulation; the European Chemicals Agency ("ECHA") issued a Candidate List of Substances of Very High Concern (SVHC). ECHA has added 4 more new substances to SVHC candidate list on 16 January 2020. The total number of SVHCs now is 205.

	Substance Name	EC No.	CAS No.	Date of Inclusion	Reason for Inclusion
1	Perfluorobutane sulfonic acid (PFBS) and its salts			16/01/2020	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)
2	Diisohexyl phthalate	276-090-2	71850-09-4	16/01/2020	Toxic for reproduction (Article 57c)
3	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	16/01/2020	Toxic for reproduction (Article 57c)
4	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	16/01/2020	Toxic for reproduction (Article 57c)
5	2-methoxyethyl acetate	203-772-9	110-49-6	16/07/2019	Toxic for reproduction (Article 57c)



6	<u>Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)</u>	-	-	<u>16/07/2019</u>	<u>Endocrine disrupting properties (Article 57(f) – environment)</u>
7	<u>2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)</u>	-	-	<u>16/07/2019</u>	<u>Equivalent level of concern having probable serious effects to the environment and health</u>
8	<u>4-tert-butylphenol</u>	<u>202-679-0</u>	<u>98-54-4</u>	<u>16/07/2019</u>	<u>Endocrine disrupting properties (Article 57(f) – environment)</u>
9	<u>1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one</u> <u>3-benzylidene camphor; 3-BC</u>	<u>239-139-9</u>	<u>15087-24-8</u>	<u>15/01/2019</u>	<u>Endocrine disrupting properties (Article 57(f) - environment)</u>
10	<u>2,2-bis(4'-hydroxyphenyl)-4-methylpentane</u>	<u>401-720-1</u>	<u>6807-17-6</u>	<u>15/01/2019</u>	<u>Toxic for reproduction (Article 57c)</u>
11	<u>Benzo[k]fluoranthene</u>	<u>205-916-6</u>	<u>207-08-9</u>	<u>15/01/2019</u>	<u>Carcinogenic (Article 57a)</u> <u>PBT (Article 57d)</u> <u>vPvB (Article 57e)</u>
12	<u>Fluoranthene</u>	<u>205-912-4</u>	<u>206-44-0;</u> <u>93951-69-0</u>	<u>15/01/2019</u>	<u>PBT (Article 57d)</u> <u>vPvB (Article 57e)</u>
13	<u>Phenanthrene</u>	<u>201-581-5</u>	<u>85-01-8</u>	<u>15/01/2019</u>	<u>vPvB (Article 57e)</u>
14	<u>Pyrene</u>	<u>204-927-3</u>	<u>129-00-0;</u> <u>1718-52-1</u>	<u>15/01/2019</u>	<u>PBT (Article 57d)</u> <u>vPvB (Article 57e)</u>
15	<u>Benzene-1,2,4-tricarboxylic acid 1,2 anhydride</u>  <u>trimellitic anhydride; TMA</u>	<u>209-008-0</u>	<u>552-30-7</u>	<u>27/06/2018</u>	<u>Respiratory sensitising properties (Article 57(f) - human health)</u>
16	<u>Benzo[ghi]perylene</u>	<u>205-883-8</u>	<u>191-24-2</u>	<u>27/06/2018</u>	<u>PBT (Article 57d)</u> <u>vPvB (Article 57e)</u>

17	<u>Decamethylcyclopentasiloxane</u>  D5	208-764-9	541-02-6	27/06/2018	PBT (Article 57d)  vPvB (Article 57e)
18	<u>Dicyclohexyl phthalate</u>  DCHP	201-545-9	84-61-7	27/06/2018	Toxic for reproduction (Article 57c)  Endocrine disrupting properties (Article 57(f) - human health)
19	<u>Disodium octaborate</u>	234-541-0	12008-41-2	27/06/2018	Toxic for reproduction (Article 57c)
20	<u>Dodecamethylcyclohexasiloxane</u>  D6	208-762-8	540-97-6	27/06/2018	PBT (Article 57d)  vPvB (Article 57e)
21	<u>Ethylenediamine</u>  EDA	203-468-6	107-15-3	27/06/2018	Respiratory sensitising properties (Article 57(f) - human health)
22	<u>Lead</u>	231-100-4	7439-92-1	27/06/2018	Toxic for reproduction (Article 57c)
23	<u>Octamethylcyclotetrasiloxane</u>  D4	209-136-7	556-67-2	27/06/2018	PBT (Article 57d)  vPvB (Article 57e)
24	<u>Terphenyl, hydrogenated</u>	262-967-7	61788-32-7	27/06/2018	vPvB (Article 57e)
25	<u>Benz[a]anthracene</u>	200-280-6	58-55-3, 1718-53-2	15/01/2018	Carcinogenic (Article 57a)  PBT (Article 57d)  vPvB (Article 57e)
26	<u>Cadmium carbonate</u>	208-168-9	513-78-0	15/01/2018	Carcinogenic (Article 57a)  Mutagenic (Article 57b)  Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
27	<u>Cadmium hydroxide</u>	244-168-5	21041-95-2	15/01/2018	Carcinogenic (Article 57a)  Mutagenic (Article 57b)  Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
28	<u>Cadmium nitrate</u>	233-710-6	10022-68-1, 10325-94-7	15/01/2018	Carcinogenic (Article 57a)  Mutagenic (Article 57b)  Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
29	<u>Chrysene</u>	205-923-4	218-01-9, 1719-03-5	15/01/2018	Carcinogenic (Article 57a)

					PBT (Article 57d) vPvB (Article 57e)
30	<u>Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene</u> ("Dechlorane Plus"™)  covering any of its individual anti- and syn-isomers or any combination thereof	-	-	15/01/2018	vPvB (Article 57e)
31	<u>Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)</u>  with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	15/01/2018	Endocrine disrupting properties (Article 57(f) - environment)
32	<u>Perfluorohexane-1-sulphonic acid and its salts</u>  PFHxS	-	-	07/07/2017	vPvB (Article 57e)
33	<u>4,4'-isopropylidenediphenol</u>  Bisphenol A; BPA	201-245-8	80-05-7	12/01/2017	Toxic for reproduction (Article 57c)  Endocrine disrupting properties (Article 57(f) - human health)
34	<u>4-heptylphenol, branched and linear</u>  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	-	-	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)
35	<u>Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts</u>  show/hide  Nonadecafluorodecanoic acid EC no.: 206-400-3   CAS no.: 335-76-2  <u>Decanoic acid, nonadecafluoro-, sodium salt</u> EC no.: -   CAS no.: 3830-45-3  <u>Ammonium nonadecafluorodecanoate</u> EC no.: 221-470-5   CAS no.: 3108-42-7	-	-	12/01/2017	Toxic for reproduction (Article 57c)  PBT (Article 57 d)

36	<u>p-(1,1-dimethylpropyl)phenol</u>	201-280-9	80-46-6	12/01/2017	Endocrine disrupting properties (Article 57(f) - environment)
37	<u>Benzo[def]chrysene</u> <u>(Benzo[a]pyrene)</u>	200-028-5	50-32-8	20/06/2016	Carcinogenic (Article 57a)  Mutagenic (Article 57b)  Toxic for reproduction (Article 57c)  PBT (Article 57 d)  vPvB (Article 57 e)
38	<u>1,3-propanesultone</u>	214-317-9	1120-71-4	17/12/2015	Carcinogenic (Article 57a)
39	<u>2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)</u>	223-383-8	3864-99-1	17/12/2015	vPvB (Article 57 e)
40	<u>2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)</u>	253-037-1	36437-37-3	17/12/2015	vPvB (Article 57 e)
41	<u>Nitrobenzene</u>	202-716-0	98-95-3	17/12/2015	Toxic for reproduction (Article 57c)
42	<u>Perfluorononan-1-oic-acid and its sodium and ammonium salts</u>  show/hide  <u>Ammonium salts of perfluorononan-1-oic-acid</u> EC no.: -   CAS no.: -, 4149-60-4  <u>Perfluorononan-1-oic-acid</u> EC no.: 206-801-3   CAS no.: 375-95-1  <u>Sodium salts of perfluorononan-1-oic-acid</u> EC no.: -   CAS no.: -, 21049-39-8	-	-	17/12/2015	Toxic for reproduction (Article 57c)  PBT (Article 57 d)
43	<u>1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters</u>  with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)  show/hide  <u>1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters</u> EC no.: 272-013-1   CAS no.: 68648-93-1  <u>1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters</u> EC no.: 271-094-0   CAS no.: 68515-51-5	-	-	15/06/2015	Toxic for reproduction (Article 57c)

44	<p><u>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1]</u>, <u>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]</u></p> <p>covering any of the individual stereoisomers of [1] and [2] or any combination thereof</p> <p>show/hide</p> <p><u>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC no.:</u> -   CAS no.:</p> <p><u>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC no.:</u> -   CAS no.:</p>	-	-	15/06/2015	vPvB (Article 57 e)
45	<u>2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)</u>	247-384-8	25973-55-1	17/12/2014	PBT (Article 57 d) vPvB (Article 57 e)
46	<u>2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)</u>	223-346-6	3846-71-7	17/12/2014	PBT (Article 57 d) vPvB (Article 57 e)
47	<u>2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)</u>	239-622-4	15571-58-1	17/12/2014	Toxic for reproduction (Article 57c)
48	<u>Cadmium fluoride</u>	232-222-0	7790-79-6	17/12/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
49	<u>Cadmium sulphate</u>	233-331-6	10124-36-4, 31119-53-6	17/12/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
50	<u>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)</u>	-	-	17/12/2014	Toxic for reproduction (Article 57c)

51	<u>1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear</u>	271-093-5	68515-50-4	16/06/2014	Toxic for reproduction (Article 57c)
52	<u>Cadmium chloride</u>	233-296-7	10108-64-2	16/06/2014	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
53	<u>Sodium perborate, perboric acid, sodium salt</u>  show/hide  <u>Perboric acid, sodium salt</u> EC no.: 234-390-0   CAS no.: 11138-47-9  <u>Sodium perborate</u> EC no.: 239-172-9   CAS no.: 15120-21-5	-	-	16/06/2014	Toxic for reproduction (Article 57c)
54	<u>Sodium peroxometaborate</u>	231-556-4	7632-04-4	16/06/2014	Toxic for reproduction (Article 57c)
55	<u>Cadmium sulphide</u>	215-147-8	1306-23-6	16/12/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
56	<u>Dihexyl phthalate</u>	201-559-5	84-75-3	16/12/2013	Toxic for reproduction (Article 57c)
57	<u>Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)</u> (C.I. Direct Red 28)	209-358-4	573-58-0	16/12/2013	Carcinogenic (Article 57a)
58	<u>Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate</u> (C.I. Direct Black 38)	217-710-3	1937-37-7	16/12/2013	Carcinogenic (Article 57a)
59	<u>Imidazolidine-2-thione (2-imidazoline-2-thiol)</u>	202-506-9	96-45-7	16/12/2013	Toxic for reproduction (Article 57c)
60	<u>Lead di(acetate)</u>	206-104-4	301-04-2	16/12/2013	Toxic for reproduction (Article 57c)
61	<u>Trixylyl phosphate</u>	246-677-8	25155-23-1	16/12/2013	Toxic for reproduction (Article 57c)
62	<u>4-Nonylphenol, branched and linear, ethoxylated</u>  substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated	-	-	20/06/2013	Endocrine disrupting properties (Article 57(f) - environment)

	covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof				
63	<u>Ammonium pentadecafluorooctanoate (APFO)</u>	223-320-4	3825-26-1	20/06/2013	PBT (Article 57 d) Toxic for reproduction (Article 57c)
64	<u>Cadmium</u>	231-152-8	7440-43-9	20/06/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
65	<u>Cadmium oxide</u>	215-146-2	1306-19-0	20/06/2013	Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
66	<u>Dipentyl phthalate (DPP)</u>	205-017-9	131-18-0	20/06/2013	Toxic for reproduction (Article 57c)
67	<u>Pentadecafluorooctanoic acid (PFOA)</u>	206-397-9	335-87-1	20/06/2013	PBT (Article 57 d) Toxic for reproduction (Article 57c)
68	<u>1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear</u>	284-032-2	84777-06-0	19/12/2012	Toxic for reproduction (Article 57c)
69	<u>1,2-diethoxyethane</u>	211-076-1	629-14-1	19/12/2012	Toxic for reproduction (Article 57c)
70	<u>1-bromopropane (n-propyl bromide)</u>	203-445-0	106-94-5	19/12/2012	Toxic for reproduction (Article 57c)
71	<u>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</u>	421-150-7	143860-04-2	19/12/2012	Toxic for reproduction (Article 57c)
72	<u>4,4'-methylenedi-o-toluidine</u>	212-658-8	838-88-0	19/12/2012	Carcinogenic (Article 57a)
73	<u>4,4'-oxydianiline and its salts</u>  show/hide <u>4,4'-oxydianiline</u> EC no.: 202-977-0   CAS no.: 101-80-4	-	-	19/12/2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)
74	<u>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated</u>  covering well-defined substances and UVCB substances, polymers and homologues	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)
75	<u>4-aminoazobenzene</u>	200-453-6	60-09-3	19/12/2012	Carcinogenic (Article 57a)
76	<u>4-methyl-m-phenylenediamine (toluene-2,4-diamine)</u>	202-453-1	95-80-7	19/12/2012	Carcinogenic (Article 57a)



77	<u>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</u>	-	-	19/12/2012	Endocrine disrupting properties (Article 57(f) - environment)
78	<u>6-methoxy-m-toluidine (p-cresidine)</u>	204-419-1	120-71-8	19/12/2012	Carcinogenic (Article 57a)
79	<u>[Phthalato(2-)]dioxotrilead</u>	273-688-5	69011-06-9	19/12/2012	Toxic for reproduction (Article 57c)
80	<u>Acetic acid, lead salt, basic</u>	257-175-3	51404-69-4	19/12/2012	Toxic for reproduction (Article 57c)
81	<u>Biphenyl-4-ylamine</u>	202-177-1	92-67-1	19/12/2012	Carcinogenic (Article 57a)
82	<u>Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)</u>	214-604-9	1163-19-5	19/12/2012	PBT (Article 57 d) vPvB (Article 57 e)
83	<u>Cyclohexane-1,2-dicarboxylic anhydride</u>  all possible combinations of the cis- and trans-isomers  show/hide  <u>trans-cyclohexane-1,2-dicarboxylic anhydride</u> EC no.: 238-009-9   CAS no.: 14166-21-3  <u>cis-cyclohexane-1,2-dicarboxylic anhydride</u> EC no.: 236-086-3   CAS no.: 13149-00-3  <u>Cyclohexane-1,2-dicarboxylic anhydride</u> EC no.: 201-604-9   CAS no.: 85-42-7	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)
84	<u>Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)</u>	204-650-8	123-77-3	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)
85	<u>Dibutyltin dichloride (DBTC)</u>	211-670-0	683-18-1	19/12/2012	Toxic for reproduction (Article 57c)
86	<u>Diethyl sulphate</u>	200-589-6	64-87-5	19/12/2012	Carcinogenic (Article 57a) Mutagenic (Article 57b)
87	<u>Diisopentyl phthalate</u>	210-088-4	605-50-5	19/12/2012	Toxic for reproduction (Article 57c)
88	<u>Dimethyl sulphate</u>	201-058-1	77-78-1	19/12/2012	Carcinogenic (Article 57a)

89	<u>Dinoseb (6-sec-butyl-2,4-dinitrophenol)</u>	201-861-7	88-85-7	19/12/2012	Toxic for reproduction (Article 57c)
90	<u>Dioxobis(stearato)trilead</u>	235-702-8	12578-12-0	19/12/2012	Toxic for reproduction (Article 57c)
91	<u>Fatty acids, C16-18, lead salts</u>	292-966-7	91031-62-8	19/12/2012	Toxic for reproduction (Article 57c)
92	<u>Furan</u>	203-727-3	110-00-9	19/12/2012	Carcinogenic (Article 57a)
93	<u>Henicosafleuroundecanoic acid</u>	218-165-4	2058-94-8	19/12/2012	vPvB (Article 57 e)
94	<u>Heptacosafleurotetradecanoic acid</u>	206-803-4	376-06-7	19/12/2012	vPvB (Article 57 e)
95	<u>Hexahydromethylphthalic anhydride</u> including cis- and trans- stereo isomeric forms and all possible combinations of the isomers  show/hide  <u>Hexahydro-4-methylphthalic anhydride</u> EC no.: 243-072-0   CAS no.: 19438-60-9  <u>Hexahydro-3-methylphthalic anhydride</u> EC no.: 260-566-1   CAS no.: 57110-29-9  <u>Hexahydro-1-methylphthalic anhydride</u> EC no.: 256-356-4   CAS no.: 48122-14-1  <u>Hexahydromethylphthalic anhydride</u> EC no.: 247-094-1   CAS no.: 25550-51-0	-	-	19/12/2012	Respiratory sensitising properties (Article 57(f) - human health)
96	<u>Lead bis(tetrafluoroborate)</u>	237-486-0	13814-96-5	19/12/2012	Toxic for reproduction (Article 57c)
97	<u>Lead cyanamidate</u>	244-073-9	20837-86-9	19/12/2012	Toxic for reproduction (Article 57c)
98	<u>Lead dinitrate</u>	233-245-9	10099-74-8	19/12/2012	Toxic for reproduction (Article 57c)
99	<u>Lead monoxide (lead oxide)</u>	215-267-0	1317-36-8	19/12/2012	Toxic for reproduction (Article 57c)
100	<u>Lead oxide sulfate</u>	234-853-7	12036-76-9	19/12/2012	Toxic for reproduction (Article 57c)
101	<u>Lead titanium trioxide</u>	235-038-9	12060-00-3	19/12/2012	Toxic for reproduction (Article 57c)
102	<u>Lead titanium zirconium oxide</u>	235-727-4	12626-81-2	19/12/2012	Toxic for reproduction (Article 57c)
103	<u>Methoxyacetic acid</u>	210-894-6	625-45-6	19/12/2012	Toxic for reproduction (Article 57c)
104	<u>Methyloxirane (Propylene oxide)</u>	200-879-2	75-56-9	19/12/2012	Carcinogenic (Article 57a)  Mutagenic (Article 57b)

105	<u>N,N-dimethylformamide</u>	200-679-5	68-12-2	19/12/2012	Toxic for reproduction (Article 57c)
106	<u>N-methylacetamide</u>	201-182-6	79-16-3	19/12/2012	Toxic for reproduction (Article 57c)
107	<u>N-pentyl-isopentylphthalate</u>	-	776297-69-9	19/12/2012	Toxic for reproduction (Article 57c)
108	<u>o-aminoazotoluene</u>	202-591-2	97-56-3	19/12/2012	Carcinogenic (Article 57a)
109	<u>o-toluidine</u>	202-429-0	95-53-4	19/12/2012	Carcinogenic (Article 57a)
110	<u>Orange lead (lead tetroxide)</u>	215-235-6	1314-41-6	19/12/2012	Toxic for reproduction (Article 57c)
111	<u>Pentacosafuorotridecanoic acid</u>	276-745-2	72629-94-8	19/12/2012	vPvB (Article 57 e)
112	<u>Pentalead tetraoxide sulphate</u>	235-067-7	12065-90-6	19/12/2012	Toxic for reproduction (Article 57c)
113	<u>Pyrochlore, antimony lead yellow</u> -	232-382-1	8012-00-8	19/12/2012	Toxic for reproduction (Article 57c)
114	<u>Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>), barium salt (1:1), lead-doped</u>  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	272-271-5	68784-75-8	19/12/2012	Toxic for reproduction (Article 57c)
115	<u>Silicic acid, lead salt</u>	234-363-3	11120-22-2	19/12/2012	Toxic for reproduction (Article 57c)
116	<u>Sulfurous acid, lead salt, dibasic</u>	263-467-1	62229-08-7	19/12/2012	Toxic for reproduction (Article 57c)
117	<u>Tetraethyllead</u>	201-075-4	78-00-2	19/12/2012	Toxic for reproduction (Article 57c)
118	<u>Tetralead trioxide sulphate</u>	235-380-9	12202-17-4	19/12/2012	Toxic for reproduction (Article 57c)
119	<u>Tricosafuorododecanoic acid</u>	206-203-2	307-55-1	19/12/2012	vPvB (Article 57 e)
120	<u>Trilead bis(carbonate) dihydroxide</u>	215-290-6	1319-46-6	19/12/2012	Toxic for reproduction (Article 57c)
121	<u>Trilead dioxide phosphonate</u>	235-252-2	12141-20-7	19/12/2012	Toxic for reproduction (Article 57c)
122	<u>1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)</u>	203-977-3	112-49-2	18/06/2012	Toxic for reproduction (Article 57c)
123	<u>1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)</u>	203-794-9	110-71-4	18/06/2012	Toxic for reproduction (Article 57c)

124	<u>1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)</u>	219-514-3	2451-62-9	18/06/2012	Mutagenic (Article 57b)
125	<u>1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)</u>	423-400-0	59653-74-6	18/06/2012	Mutagenic (Article 57b)
126	<u>4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</u>  with ≥ 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	18/06/2012	Carcinogenic (Article 57a)
127	<u>4,4'-bis(dimethylamino)benzophenone (Michler's ketone)</u>	202-027-5	90-94-8	18/06/2012	Carcinogenic (Article 57a)
128	<u>[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)</u>  with ≥ 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	18/06/2012	Carcinogenic (Article 57a)
129	<u>[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)</u>  with ≥ 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	18/06/2012	Carcinogenic (Article 57a)
130	<u>Diboron trioxide</u>	215-125-8	1303-86-2	18/06/2012	Toxic for reproduction (Article 57c)
131	<u>Formamide</u>	200-842-0	75-12-7	18/06/2012	Toxic for reproduction (Article 57c)
132	<u>Lead(II) bis(methanesulfonate)</u>	401-750-5	17570-76-2	18/06/2012	Toxic for reproduction (Article 57c)
133	<u>N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)</u>	202-959-2	101-61-1	18/06/2012	Carcinogenic (Article 57a)
134	<u>α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)</u>	229-851-8	6786-83-0	18/06/2012	Carcinogenic (Article 57a)

	with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)				
135	<u>1,2-dichloroethane</u>	203-458-1	107-06-2	19/12/2011	Carcinogenic (Article 57a)
136	<u>2,2'-dichloro-4,4'-methylenedianiline</u>	202-918-9	101-14-4	19/12/2011	Carcinogenic (Article 57a)
137	<u>2-Methoxyaniline, o-Anisidine</u>	201-963-1	90-04-0	19/12/2011	Carcinogenic (Article 57a)
138	<u>4-(1,1,3,3-tetramethylbutyl)phenol</u>	205-426-2	140-66-9	19/12/2011	Endocrine disrupting properties (Article 57(f) - environment)
139	<u>Aluminosilicate Refractory Ceramic Fibres</u>  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 ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight	-	-	19/12/2011	Carcinogenic (Article 57a)
140	<u>Arsenic acid</u>	231-901-9	7778-39-4	19/12/2011	Carcinogenic (Article 57a)
141	<u>Bis(2-methoxyethyl) ether</u>	203-924-4	111-96-6	19/12/2011	Toxic for reproduction (Article 57c)
142	<u>Bis(2-methoxyethyl) phthalate</u>	204-212-6	117-82-8	19/12/2011	Toxic for reproduction (Article 57c)
143	<u>Calcium arsenate</u>	231-904-5	7778-44-1	19/12/2011	Carcinogenic (Article 57a)
144	<u>Dichromium tris(chromate)</u>	246-356-2	24613-89-6	19/12/2011	Carcinogenic (Article 57a)
145	<u>Formaldehyde, oligomeric reaction products with aniline</u>	500-036-1	25214-70-4	19/12/2011	Carcinogenic (Article 57a)
146	<u>Lead diazide, Lead azide</u>	236-542-1	13424-46-9	19/12/2011	Toxic for reproduction (Article 57c)
147	<u>Lead dipicrate</u>	229-335-2	6477-64-1	19/12/2011	Toxic for reproduction (Article 57c)

148	<u>Lead styphnate</u>	239-290-0	15245-44-0	19/12/2011	Toxic for reproduction (Article 57c)
149	<u>N,N-dimethylacetamide</u>	204-826-4	127-19-5	19/12/2011	Toxic for reproduction (Article 57c)
150	<u>Pentazinc chromate octahydroxide</u>	256-418-0	49663-84-5	19/12/2011	Carcinogenic (Article 57a)
151	<u>Phenolphthalein</u>	201-004-7	77-09-8	19/12/2011	Carcinogenic (Article 57a)
152	<u>Potassium hydroxyoctaoxodizincatedichromate</u>	234-329-8	11103-86-9	19/12/2011	Carcinogenic (Article 57a)
153	<u>Trilead diarsenate</u>	222-979-5	3687-31-8	19/12/2011	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
154	<u>Zirconia Aluminosilicate Refractory Ceramic Fibres</u>  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 (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	19/12/2011	Carcinogenic (Article 57a)
155	<u>1,2,3-Trichloropropane</u>	202-486-1	96-18-4	20/06/2011	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
156	<u>1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich</u>	276-158-1	71888-89-8	20/06/2011	Toxic for reproduction (Article 57c)
157	<u>1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters</u>	271-084-6	68515-42-4	20/06/2011	Toxic for reproduction (Article 57c)
158	<u>1-Methyl-2-pyrrolidone (NMP)</u>	212-828-1	872-50-4	20/06/2011	Toxic for reproduction (Article 57c)
159	<u>2-ethoxyethyl acetate</u>	203-839-2	111-15-9	20/06/2011	Toxic for reproduction (Article 57c)

160	<u>Hydrazine</u>	206-114-9	302-01-2, 7803-57-8	20/06/2011	Carcinogenic (Article 57a)
161	<u>Strontium chromate</u>	232-142-6	7789-06-2	20/06/2011	Carcinogenic (Article 57a)
162	<u>2-ethoxyethanol</u>	203-804-1	110-80-5	15/12/2010	Toxic for reproduction (Article 57c)
163	<u>2-methoxyethanol</u>	203-713-7	109-86-4	15/12/2010	Toxic for reproduction (Article 57c)
164	<u>Acids generated from chromium trioxide and their oligomers</u>  <u>Oligomers of chromic acid and dichromic acid</u> EC no.: -   CAS no.: -  <u>Chromic acid</u> EC no.: 231-801-5   CAS no.: 13530-68-2  <u>Dichromic acid</u> EC no.: 236-881-5   CAS no.: 7738-94-5	-	-	15/12/2010	Carcinogenic (Article 57a)
165	<u>Chromium trioxide</u>	215-607-8	1333-82-0	15/12/2010	Carcinogenic (Article 57a)  Mutagenic (Article 57b)
166	<u>Cobalt(II) carbonate</u>	208-169-4	513-79-1	15/12/2010	Carcinogenic (Article 57a)  Toxic for reproduction (Article 57c)
167	<u>Cobalt(II) diacetate</u>	200-755-8	71-48-7	15/12/2010	Carcinogenic (Article 57a)  Toxic for reproduction (Article 57c)
168	<u>Cobalt(II) dinitrate</u>	233-402-1	10141-05-6	15/12/2010	Carcinogenic (Article 57a)  Toxic for reproduction (Article 57c)
169	<u>Cobalt(II) sulphate</u>	233-334-2	10124-43-3	15/12/2010	Carcinogenic (Article 57a)  Toxic for reproduction (Article 57c)
170	<u>Ammonium dichromate</u>	232-143-1	7789-09-5	18/06/2010	Carcinogenic (Article 57a)  Mutagenic (Article 57b)  Toxic for reproduction (Article 57c)
171	<u>Boric acid</u>  EC No. 233-139-2 and EC No. 234-343-4  <u>Boric acid, crude natural</u> EC no.: 234-343-4   CAS no.: 11113-50-1  <u>Boric acid</u> EC no.: 233-139-2   CAS no.: 10043-35-3	-	-	18/06/2010	Toxic for reproduction (Article 57c)

172	<u>Disodium tetraborate, anhydrous</u>	215-540-4	12179-04-3, 1303-96-4, 1330-43-4	18/06/2010	Toxic for reproduction (Article 57c)
173	<u>Potassium chromate</u>	232-140-5	7789-00-6	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b)
174	<u>Potassium dichromate</u>	231-906-6	7778-50-9	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)
175	<u>Sodium chromate</u>	231-889-5	7775-11-3	18/06/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)
176	<u>Tetraboron disodium heptaoxide, hydrate</u>	235-541-3	12267-73-1	18/06/2010	Toxic for reproduction (Article 57c)
177	<u>Trichloroethylene</u>	201-167-4	79-01-6	18/06/2010	Carcinogenic (Article 57a)
178	<u>Acrylamide</u>	201-173-7	79-06-1	30/03/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b)
179	<u>2,4-dinitrotoluene</u>	204-450-0	121-14-2	13/01/2010	Carcinogenic (Article 57a)
180	<u>Anthracene oil</u>	292-602-7	90640-80-5	13/01/2010	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)
181	<u>Anthracene oil, anthracene paste</u>	292-603-2	90640-81-6	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57 d) vPvB (Article 57 e)
182	<u>Anthracene oil, anthracene paste, anthracene fraction</u>	295-275-9	91995-15-2	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57 d) vPvB (Article 57 e)
183	<u>Anthracene oil, anthracene paste, distn. lights</u>	295-278-5	91995-17-4	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57 d)



					vPvB (Article 57 e)
184	<u>Anthracene oil, anthracene-low</u>	292-604-8	90640-82-7	13/01/2010	Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57 d) vPvB (Article 57 e)
185	<u>Diisobutyl phthalate</u>	201-553-2	84-69-5	13/01/2010	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)
186	<u>Lead chromate</u>	231-846-0	7758-97-6	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
187	<u>Lead chromate molybdate sulphate red (C.I. Pigment Red 104)</u>	235-759-9	12656-85-8	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
188	<u>Lead sulfochromate yellow (C.I. Pigment Yellow 34)</u>	215-693-7	1344-37-2	13/01/2010	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
189	<u>Pitch, coal tar, high-temp.</u>	266-028-2	65996-93-2	13/01/2010	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)
190	<u>Tris(2-chloroethyl) phosphate</u>	204-118-5	115-96-8	13/01/2010	Toxic for reproduction (Article 57c)
191	<u>4,4'- Diaminodiphenylmethane (MDA)</u>	202-974-4	101-77-9	28/10/2008	Carcinogenic (Article 57a)
192	<u>5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)</u>	201-329-4	81-15-2	28/10/2008	vPvB (Article 57 e)
193	<u>Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)</u>	287-476-5	85535-84-8	28/10/2008	PBT (Article 57 d) vPvB (Article 57 e)
194	<u>Anthracene</u>	204-371-1	120-12-7	28/10/2008	PBT (Article 57 d)
195	<u>Benzyl butyl phthalate (BBP)</u>	201-622-7	85-68-7	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)

196	<u>Bis (2-ethylhexyl)phthalate (DEHP)</u>	204-211-0	117-81-7	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
197	<u>Bis(tributyltin) oxide (TBTO)</u>	200-268-0	56-35-9	28/10/2008	PBT (Article 57 d)
198	<u>Cobalt dichloride</u>	231-589-4	7646-79-9	28/10/2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
199	<u>Diarsenic pentaoxide</u>	215-116-9	1303-28-2	28/10/2008	Carcinogenic (Article 57a)
200	<u>Diarsenic trioxide</u>	215-481-4	1327-53-3	28/10/2008	Carcinogenic (Article 57a)
201	<u>Dibutyl phthalate (DBP)</u>	201-557-4	84-74-2	28/10/2008	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)
202	<u>Hexabromocyclododecane (HBCDD)</u> and all major diastereoisomers identified <u>gamma-hexabromocyclododecane</u> EC no.: -   CAS no.: 134237-52-8 <u>beta-hexabromocyclododecane</u> EC no.: -   CAS no.: 134237-51-7 <u>1,2,5,6,9,10-hexabromocyclododecane</u> EC no.: 221-695-9   CAS no.: 3194-55-6 <u>Hexabromocyclododecane</u> EC no.: 247-148-4   CAS no.: 25637-99-4 <u>alpha-hexabromocyclododecane</u> EC no.: -   CAS no.: 134237-50-6	-	-	28/10/2008	PBT (Article 57 d)
203	<u>Lead hydrogen arsenate</u>	232-064-2	7784-40-9	28/10/2008	Carcinogenic (Article 57a) Toxic for reproduction (Article 57c)
204	<u>Sodium dichromate</u>	234-190-3	10588-01-9, 7789-12-0	28/10/2008	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c)
205	<u>Triethyl arsenate</u>	427-700-2	15606-95-8	28/10/2008	Carcinogenic (Article 57a)

Based on the information available to us from our raw materials suppliers, all part numbers referred to above comply with the REACH directive and do not contain the above listed Substances of Very High Concern at concentrations greater than or equal to 0.1wt % of the Article

This document replaces all former statements made by **Elatec GmbH** concerning REACH and SVHC.

Ralf Janitz

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