



REACH Compliance Declaration

To whom it may concern,

Challenge Electronics acknowledges being producers, importers and marketers of electronic devices and certifies to the best of our knowledge all Challenge Electronics product lines do not contain elements of the 1907/2006 declaration concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and Substances of Very High Concern (SVHC) and all accompanying Annexes. An exemption is in place for piezoelectric indicators and transducers which contain Lead Zirconate Titanate (PZT) Ceramics with more than 0.1% (w/w) of REACH Candidate List SVHC Lead-Zirconium-Titanium-Oxide (CAS 12626-81-2), which is a key ingredient of the Piezoelectric-Ceramic-Disc in alarm operation and allowed under the Article 4(1): 7(c)-I exemption from 2011/65/EU Annex III.

However, certain products requiring high temperature conditions have been initially designed prior to establishment of the accompanying SVHC restriction and as such are incorporated in designs. The chemical used is Lead, CAS number 7439-21-1. Challenge Electronics does its best to offer designs not incorporating the problem chemical and can offer crosses to all parts which contain the chemical. The only current PNs which affected by this concern are SMD Electromagnetic/Piezoelectric Indicators/Transducers of PNs per the below table.

Part Type	Part Number
SMD Electromagnetic Transducer	CEET128N071-16-205-24PLR
SMD Electromagnetic Transducer	CEET105A025-16-2545-27MLR
SMD Electromagnetic Transducer	CT8ES-06273-1
SMD Piezoelectric Transducer	CEPT122S048-125-20MR
SMD Piezoelectric Transducer	CEPT090L019-125-40MR
SMD Piezoelectric Transducer	CPT24GS12-3.0-P3R
SMD Piezoelectric Transducer	CSPT22A12-4.0
SMD Piezoelectric Indicator	CEPB143N072-316C40MR

To obtain a cross to a part which does not contain Lead, please contact your local Challenge Electronics sales representative. All other parts are fully compliant as per the above and all future part recommendations are made to parts which are fully compliant.

The statements in this letter regarding REACH and the accompanying Substances of Very High Concern (SVHC) List and Annexes do not extend to, or apply to any product subjected to unintended contamination, misuse, neglect, accident, improper installation, or used in violation of Challenge Electronics recommendations. The statement is made to the best of our knowledge based on supplier certifications, confirmations and independent testing. All enquiries related to REACH and SVHCs could be sent to our Compliance Coordinator and Engineering Director, Joshua Klyman, by e-mail at jklyman@challelec.com.

Joshua Klyman
Engineering Director
7/14/23

**REACH SVHC List: 235 Substances**ECHA Source: <http://echa.europa.eu/candidate-list-table>More Info: <http://www.chemsafetypro.com>

	Name	EC Number	CAS Number	Date of inclusion
1	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	06/14/2023
2	bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	06/14/2023
3	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	-	01/17/2023
4	Perfluoroheptanoic acid and its salts	-	-	01/17/2023
5	Melamine	203-615-4	108-78-1	01/17/2023
6	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	01/17/2023
7	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	01/17/2023
8	Barium diboron tetraoxide	237-222-4	13701-59-2	01/17/2023
9	4,4'-sulphonyldiphenol	201-250-5	80-09-1	01/17/2023
10	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	01/17/2023
11	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	01/17/2023
12	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	06/10/2022
13	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	01/17/2022
14	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	201-850-9	255881-94-8	01/17/2022
15	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol	204-327-1	119-47-1	01/17/2022
16	(±)-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)	-	-	01/17/2022
17	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	07/08/2021
18	orthoboric acid, sodium salt	-	-	07/08/2021
19	Medium-chain chlorinated paraffins (MCCP)	-	-	07/08/2021
20	glutaral	203-856-5	111-30-8	07/08/2021
21	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	07/08/2021
22	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	07/08/2021
23	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)	-	-	07/08/2021
24	1,4-dioxane	204-661-8	123-91-1	07/08/2021
25	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	01/19/2021
26	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	-	-	01/19/2021
27	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	06/25/2020
28	Butyl 4-hydroxybenzoate	202-318-7	94-26-8	06/25/2020
29	2-methylimidazole	211-765-7	693-98-1	06/25/2020
30	1-vinylimidazole	214-012-0	1072-63-5	06/25/2020
31	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	01/16/2020
32	Diisohexyl phthalate	276-090-2	71850-09-4	01/16/2020
33	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	01/16/2020
34	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	01/16/2020
35	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	07/16/2019
36	2-methoxyethyl acetate	203-772-9	110-49-6	07/16/2019
37	4-tert-butylphenol	202-679-0	98-54-4	07/16/2019
38	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	07/16/2019
39	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	01/15/2019
40	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	01/15/2019
41	Benzo[k]fluoranthene	205-916-6	207-08-9	01/15/2019
42	Fluoranthene	205-912-4	206-44-0; 93951-69-0	01/15/2019
43	Phenanthrene	201-581-5	85-01-8	01/15/2019
44	Pyrene	204-927-3	129-00-0; 1718-52-1	01/15/2019
45	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	209-008-0	552-30-7	06/27/2018
46	Benzo[ghi]perylene	205-883-8	191-24-2	06/27/2018
47	Decamethylcyclotrasiloxane (D5)	208-764-9	541-02-6	06/27/2018
48	Dicyclohexyl Phthalate (DCHP)	201-545-9	84-61-7	06/27/2018
49	Disodium Octaborate	234-541-0	12008-41-2	06/27/2018
50	Dodecamethylcyclohexasiloxane (D6)	208-762-8	240-97-6	06/27/2018
51	Ethylenediamine (EDA)	203-468-6	107-15-3	06/27/2018
52	Lead	231-100-4	7439-21-1	06/27/2018
53	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	06/27/2018
54	Terphenyl, Hydrogenated	262-967-7	61788-32-7	06/27/2018
55	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")	-	-	01/15/2018
56	Benz[a]anthracene	200/280-6	56-55-3, 1718-53-2	01/15/2018
57	Cadmium carbonate	208-168-9	513-78-0	01/15/2018
58	Cadmium hydroxide	244-168-5	21041-95-2	01/15/2018
59	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	01/15/2018
60	Chrysene	205-923-4	218-01-9, 1719-03-5	01/15/2018



61	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	01/15/2018
62	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	-	07/07/2017
63	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-7	12/01/2017
64	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	12/01/2017
65	4-heptylphenol, branched and linear (4-HPbl)	-	-	12/01/2017
66	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	80-46-6	12/01/2017
67	Benzo[def]chrysene	200-028-5	50-32-8	06/20/2016
68	Nitrobenzene	202-716-0	98-95-3	12/17/2015
69	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	12/17/2015
70	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	12/17/2015
71	1,3-propanesultone	214-317-9	1120-71-4	12/17/2015
72	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	12/17/2015
73	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)	271-094-0, 272-013-1	68515-51-5, 68648-93-1	6/15/2015
74	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]	-	-	6/15/2015
75	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	12/17/2014 - 10/28/2008
76	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	12/17/2014
77	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	12/17/2014
78	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	12/17/2014
79	Cadmium fluoride	232-222-0	7790-79-6	12/17/2014
80	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	12/17/2014
81	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)	-	-	12/17/2014
82	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	6/16/2014
83	Cadmium chloride	233-296-7	10108-64-2	6/16/2014
84	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0	-	6/16/2014
85	Sodium peroxometaborate	231-556-4	7632-4-4,	6/16/2014
86	Cadmium sulphide	215-147-8	1306-23-6	12/16/2013
87	Dihexyl phthalate	201-559-5	84-75-3	12/16/2013
88	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	12/16/2013
89	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	12/16/2013
90	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013
91	Lead di(acetate)	206-104-4	301-04-2	12/16/2013
92	Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013
93	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]	-	-	6/20/2013
94	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013
95	Cadmium	231-152-8	7440-43-9	6/20/2013
96	Cadmium oxide	215-146-2	1306-19-0	6/20/2013
97	Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013
98	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013
99	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012
100	1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012
101	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012
102	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012
103	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012
104	4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012
105	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	12/19/2012
106	4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012
107	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012
108	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]	-	-	12/19/2012
109	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012
110	[Phthalato(2-)]dioxitrilead	273-688-5	69011-06-9	12/19/2012
111	Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012
112	Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012
113	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	12/19/2012
114	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 trans-isomers [1] are covered by this entry]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	12/19/2012
115	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	12/19/2012
116	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012
117	Diethyl sulphate	200-589-6	64-67-5	12/19/2012
118	Diisopentylphthalate	210-088-4	605-50-5	12/19/2012



119	Dimethyl sulphate	201-058-1	77-78-1	12/19/2012
120	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012
121	Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012
122	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012
123	Furan	203-727-3	110-00-9	12/19/2012
124	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	12/19/2012
125	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	12/19/2012
126	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]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	12/19/2012
127	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012
128	Lead cyanamidate	244-073-9	20837-86-9	12/19/2012
129	Lead dinitrate	233-245-9	10099-74-8	12/19/2012
130	Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012
131	Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012
132	Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012
133	Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012
134	Methoxyacetic acid	210-894-6	625-45-6	12/19/2012
135	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012
136	N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012
137	N-methylacetamide	201-182-6	79-16-3	12/19/2012
138	N-pentyl-isopentylphthalate		776297-69-9	12/19/2012
139	o-aminoazotoluene	202-591-2	97-56-3	12/19/2012
140	o-Toluidine	202-429-0	95-53-4	12/19/2012
141	Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012
142	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	12/19/2012
143	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012
144	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012
145	Silicic acid (H₂Si₂O₅), 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]	272-271-5	68784-75-8	12/19/2012
146	Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012
147	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012
148	Tetraethyllead	201-075-4	78-00-2	12/19/2012
149	Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012
150	Tricosafuorododecanoic acid	206-203-2	307-55-1	12/19/2012
151	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	12/19/2012
152	Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012
153	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	6/18/2012
154	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012
155	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	219-514-3	2451-62-9	6/18/2012
156	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	6/18/2012
157	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [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	6/18/2012
158	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012
159	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [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	6/18/2012
160	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [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	6/18/2012
161	Diboron trioxide	215-125-8	1303-86-2	6/18/2012
162	Formamide	200-842-0	75-12-7	6/18/2012
163	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012
164	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012
165	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 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	6/18/2012
166	1,2-Dichloroethane	203-458-1	107-06-2	12/19/2011
167	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011
168	2-Methoxyaniline,o-Anisidine	201-963-1	90-04-0	12/19/2011
169	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011
170	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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	12/19/2011
171	Arsenic acid	231-901-9	7778-39-4	12/19/2011
172	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011
173	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011
174	Calcium arsenate	231-904-5	7778-44-1	12/19/2011
175	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011
176	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011
177	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011



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178	Lead dipicrate	229-335-2	6477-64-1	12/19/2011
179	Lead styphnate	239-290-0	15245-44-0	12/19/2011
180	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011
181	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	12/19/2011
182	Phenolphthalein	201-004-7	77-09-8	12/19/2011
183	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	12/19/2011
184	Trilead diarsenate	222-979-5	3687-31-8	12/19/2011
185	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 micrometers (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	12/19/2011
186	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20, 2008/10/28
187	1,2,3-trichloropropane	202-486-1	96-18-4	6/20/2011
188	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011
189	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011
190	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	6/20/2011
191	2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011
192	Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011
193	Strontium chromate	232-142-6	7789-6-2,	6/20/2011
194	2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010
195	2-Methoxyethanol	203-713-7	109-86-4	12/15/2010
196	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	12/15/2010
197	Chromium trioxide	215-607-8	1333-82-0	12/15/2010
198	Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010
199	Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010
200	Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010
201	Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010
202	Ammonium dichromate	232-143-1	7789-9-5,	6/18/2010
203	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010
204	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	6/18/2010
205	Potassium chromate	232-140-5	7789-00-6	6/18/2010
206	Potassium dichromate	231-906-6	7778-50-9	6/18/2010
207	Sodium chromate	231-889-5	7775-11-3,	6/18/2010
208	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010
209	Trichloroethylene	201-167-4	79-01-6	6/18/2010
210	Acrylamide	201-173-7	79-06-1	3/30/2010
211	2,4-Dinitrotoluene	204-450-0	121-14-2	1/13/2010
212	Anthracene oil	292-602-7	90640-80-5	1/13/2010
213	Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010
214	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010
215	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1/13/2010
216	Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010
217	Diisobutyl phthalate	201-553-2	84-69-5	1/13/2010
218	Lead chromate	231-846-0	7758-97-6	1/13/2010
219	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010
220	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010
221	Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010
222	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010
223	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008
224	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	10/28/2008
225	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	10/28/2008
226	Anthracene	204-371-1	120-12-7	10/28/2008
227	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008
228	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	10/28/2008
229	Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008
230	Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008
231	Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008
232	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4, 221-695-9	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	10/28/2008
233	Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008
234	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008
235	Triethyl arsenate	427-700-2	15606-95-8	10/28/2008

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