



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
2/21/23

**REACH SVHC List: 233 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	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
2	Perfluoroheptanoic acid and its salts	-	-	01/17/2023
3	Melamine	203-615-4	108-78-1	01/17/2023
4	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	01/17/2023
5	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	01/17/2023
6	Barium diboron tetraoxide	237-222-4	13701-59-2	01/17/2023
7	4,4'-sulphonyldiphenol	201-250-5	80-09-1	01/17/2023
8	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	01/17/2023
9	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	01/17/2023
10	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	06/10/2022
11	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	01/17/2022
12	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
13	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1	01/17/2022
14	(±)-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
15	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
16	orthoboric acid, sodium salt	-	-	07/08/2021
17	Medium-chain chlorinated paraffins (MCCP)	-	-	07/08/2021
18	glutaral	203-856-5	111-30-8	07/08/2021
19	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	07/08/2021
20	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	07/08/2021
21	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
22	1,4-dioxane	204-661-8	123-91-1	07/08/2021
23	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	01/19/2021
24	Dioctyltin 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
25	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	06/25/2020
26	Butyl 4-hydroxybenzoate	202-318-7	94-26-8	06/25/2020
27	2-methylimidazole	211-765-7	693-98-1	06/25/2020
28	1-vinylimidazole	214-012-0	1072-63-5	06/25/2020
29	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	01/16/2020
30	Diisohexyl phthalate	276-090-2	71850-09-4	01/16/2020
31	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	01/16/2020
32	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	01/16/2020
33	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	07/16/2019
34	2-methoxyethyl acetate	203-772-9	110-49-6	07/16/2019
35	4-tert-butylphenol	202-679-0	98-54-4	07/16/2019
36	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	07/16/2019
37	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	01/15/2019
38	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	01/15/2019
39	Benzo[k]fluoranthene	205-916-6	207-08-9	01/15/2019
40	Fluoranthene	205-912-4	206-44-0; 93951-69-0	01/15/2019
41	Phenanthrene	201-581-5	85-01-8	01/15/2019
42	Pyrene	204-927-3	129-00-0; 1718-52-1	01/15/2019
43	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	209-008-0	552-30-7	06/27/2018
44	Benzo[ghi]perylene	205-883-8	191-24-2	06/27/2018
45	Decamethylcyclotetrasiloxane (D5)	208-764-9	541-02-6	06/27/2018
46	Dicyclohexyl Phthalate (DCHP)	201-545-9	84-61-7	06/27/2018
47	Disodium Octaborate	234-541-0	12008-41-2	06/27/2018
48	Dodecamethylcyclotetrasiloxane (D6)	208-762-8	240-97-6	06/27/2018
49	Ethylenediamine (EDA)	203-468-6	107-15-3	06/27/2018
50	Lead	231-100-4	7439-21-1	06/27/2018
51	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	06/27/2018
52	Terphenyl, Hydrogenated	262-967-7	61788-32-7	06/27/2018
53	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
54	Benz[a]anthracene	200/280-6	56-55-3, 1718-53-2	01/15/2018
55	Cadmium carbonate	208-168-9	513-78-0	01/15/2018
56	Cadmium hydroxide	244-168-5	21041-95-2	01/15/2018
57	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	01/15/2018
58	Chrysene	205-923-4	218-01-9, 1719-03-5	01/15/2018
59	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	01/15/2018
60	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	-	07/07/2017



61	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-7	12/01/2017
62	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	12/01/2017
63	4-heptylphenol, branched and linear (4-HPbl)	-	-	12/01/2017
64	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	80-46-6	12/01/2017
65	Benzo[def]chrysene	200-028-5	50-32-8	06/20/2016
66	Nitrobenzene	202-716-0	98-95-3	12/17/2015
67	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	12/17/2015
68	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	12/17/2015
69	1,3-propanesultone	214-317-9	1120-71-4	12/17/2015
70	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
71	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
72	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
73	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	12/17/2014 - 10/28/2008
74	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	12/17/2014
75	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	12/17/2014
76	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
77	Cadmium fluoride	232-222-0	7790-79-6	12/17/2014
78	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	12/17/2014
79	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
80	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	6/16/2014
81	Cadmium chloride	233-296-7	10108-64-2	6/16/2014
82	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0	-	6/16/2014
83	Sodium peroxometaborate	231-556-4	7632-4-4,	6/16/2014
84	Cadmium sulphide	215-147-8	1306-23-6	12/16/2013
85	Dihexyl phthalate	201-559-5	84-75-3	12/16/2013
86	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
87	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
88	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013
89	Lead di(acetate)	206-104-4	301-04-2	12/16/2013
90	Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013
91	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
92	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013
93	Cadmium	231-152-8	7440-43-9	6/20/2013
94	Cadmium oxide	215-146-2	1306-19-0	6/20/2013
95	Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013
96	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013
97	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012
98	1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012
99	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012
101	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012
102	4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	12/19/2012
104	4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012
105	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012
106	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
107	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012
108	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	12/19/2012
109	Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012
110	Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	12/19/2012
112	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
113	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	12/19/2012
114	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012
115	Diethyl sulphate	200-589-6	64-67-5	12/19/2012
116	Diisopentylphthalate	210-088-4	605-50-5	12/19/2012
117	Dimethyl sulphate	201-058-1	77-78-1	12/19/2012
118	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012
119	Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012



120	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012
121	Furan	203-727-3	110-00-9	12/19/2012
122	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	12/19/2012
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	12/19/2012
124	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
125	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012
126	Lead cyanamidate	244-073-9	20837-86-9	12/19/2012
127	Lead dinitrate	233-245-9	10099-74-8	12/19/2012
128	Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012
129	Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012
130	Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012
131	Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012
132	Methoxyacetic acid	210-894-6	625-45-6	12/19/2012
133	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012
134	N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012
135	N-methylacetamide	201-182-6	79-16-3	12/19/2012
136	N-pentyl-isopentylphthalate		776297-69-9	12/19/2012
137	o-aminoazotoluene	202-591-2	97-56-3	12/19/2012
138	o-Toluidine	202-429-0	95-53-4	12/19/2012
139	Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012
140	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	12/19/2012
141	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012
142	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012
143	Silicic acid (H₂Si_O5), 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
144	Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012
145	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012
146	Tetraethyllead	201-075-4	78-00-2	12/19/2012
147	Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012
148	Tricosafuorododecanoic acid	206-203-2	307-55-1	12/19/2012
149	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	12/19/2012
150	Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012
151	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	6/18/2012
152	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012
153	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	6/18/2012
154	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
155	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
156	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012
157	[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
158	[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
159	Diboron trioxide	215-125-8	1303-86-2	6/18/2012
160	Formamide	200-842-0	75-12-7	6/18/2012
161	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012
162	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012
163	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
164	1,2-Dichloroethane	203-458-1	107-06-2	12/19/2011
165	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011
166	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	12/19/2011
167	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011
168	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	-	-	12/19/2011
169	Arsenic acid	231-901-9	7778-39-4	12/19/2011
170	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011
171	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011
172	Calcium arsenate	231-904-5	7778-44-1	12/19/2011
173	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011
174	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011
175	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011
176	Lead dipicrate	229-335-2	6477-64-1	12/19/2011
177	Lead styphnate	239-290-0	15245-44-0	12/19/2011
178	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011



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

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