



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
 01/30/19



REACH SVHC List: 197 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	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	01/15/2019
2	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	01/15/2019
3	Benzo[k]fluoranthene	205-916-6	207-08-9	01/15/2019
4	Fluoranthene	205-912-4	206-44-0; 93951-69-0	01/15/2019
5	Phenanthrene	201-581-5	85-01-8	01/15/2019
6	Pyrene	204-927-3	129-00-0; 1718-52-1	01/15/2019
7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	209-008-0	552-30-7	06/27/2018
8	Benzo[ghi]perylene	205-883-8	191-24-2	06/27/2018
9	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	06/27/2018
10	Dicyclohexyl Phthalate (DCHP)	201-545-9	84-61-7	06/27/2018
11	Disodium Octaborate	234-541-0	12008-41-2	06/27/2018
12	Dodecamethylcyclohexasiloxane (D6)	208-762-8	240-97-6	06/27/2018
13	Ethylenediamine (EDA)	203-468-6	107-15-3	06/27/2018
14	Lead	231-100-4	7439-21-1	06/27/2018
15	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	06/27/2018
16	Terphenyl, Hydrogenated	262-967-7	61788-32-7	06/27/2018
17	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" TM)	-	-	01/15/2018
18	Benzo[a]anthracene	200/280-6	56-55-3, 1718-53-2	01/15/2018
19	Cadmium carbonate	208-168-9	513-78-0	01/15/2018
20	Cadmium hydroxide	244-168-5	21041-95-2	01/15/2018
21	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	01/15/2018
22	Chrysene	205-923-4	218-01-9, 1719-03-5	01/15/2018
23	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	01/15/2018
24	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	-	07/07/2017
25	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	201-245-8	80-05-7	12/01/2017
26	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	12/01/2017
27	4-heptylphenol, branched and linear (4-HPbl)	-	-	12/01/2017
28	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	80-46-6	12/01/2017
29	Benzo[def]chrysene	200-028-5	50-32-8	20/06/2016
30	Nitrobenzene	202-716-0	98-95-3	12/17/2015
31	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	12/17/2015
32	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	12/17/2015
33	1,3-propanesultone	214-317-9	1120-71-4	12/17/2015
34	Perfluorononan-1-oiic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	12/17/2015
35	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
36	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
37	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	2014/12/17; 2008/10/28
38	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	12/17/2014
39	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	12/17/2014
40	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
41	Cadmium fluoride	232-222-0	7790-79-6	12/17/2014
42	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	12/17/2014
43	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
44	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	6/16/2014
45	Cadmium chloride	233-296-7	10108-64-2	6/16/2014
46	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0	-	6/16/2014
47	Sodium peroxometaborate	231-556-4	7632-4-4,	6/16/2014
48	Cadmium sulphide	215-147-8	1306-23-6	12/16/2013
49	Dihexyl phthalate	201-559-5	84-75-3	12/16/2013
50	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
51	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
52	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013
53	Lead di(acetate)	206-104-4	301-04-2	12/16/2013
54	Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013
55	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
56	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013
57	Cadmium	231-152-8	7440-43-9	6/20/2013



58	Cadmium oxide	215-146-2	1306-19-0	6/20/2013
59	Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013
60	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013
61	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012
62	1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012
63	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012
64	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012
65	4,4'-methylene-di-o-toluidine	212-658-8	838-88-0	12/19/2012
66	4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012
67	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	12/19/2012
68	4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012
69	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012
70	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
71	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012
72	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	12/19/2012
73	Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012
74	Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012
75	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	12/19/2012
76	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
77	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	12/19/2012
78	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012
79	Diethyl sulphate	200-589-6	64-67-5	12/19/2012
80	Diisopentylphthalate	210-088-4	605-50-5	12/19/2012
81	Dimethyl sulphate	201-058-1	77-78-1	12/19/2012
82	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012
83	Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012
84	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012
85	Furan	203-727-3	110-00-9	12/19/2012
86	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	12/19/2012
87	Heptacosaflluorotetradecanoic acid	206-803-4	376-06-7	12/19/2012
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]	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
89	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012
90	Lead cyanamide	244-073-9	20837-86-9	12/19/2012
91	Lead dinitrate	233-245-9	10099-74-8	12/19/2012
92	Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012
93	Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012
94	Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012
95	Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012
96	Methoxyacetic acid	210-894-6	625-45-6	12/19/2012
97	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012
98	N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012
99	N-methylacetamide	201-182-6	79-16-3	12/19/2012
100	N-pentyl-isopentylphthalate		776297-69-9	12/19/2012
101	o-aminoazotoluene	202-591-2	97-56-3	12/19/2012
102	o-Toluidine	202-429-0	95-53-4	12/19/2012
103	Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012
104	Pentacosaflluorotridecanoic acid	276-745-2	72629-94-8	12/19/2012
105	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012
106	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012
107	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
108	Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012
109	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012
110	Tetraethyllead	201-075-4	78-00-2	12/19/2012
111	Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012
112	Tricosaflluorododecanoic acid	206-203-2	307-55-1	12/19/2012
113	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	12/19/2012
114	Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012
115	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	6/18/2012
116	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012
117	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
118	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
119	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
120	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012



121	[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
122	[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
123	Diboron trioxide	215-125-8	1303-86-2	6/18/2012
124	Formamide	200-842-0	75-12-7	6/18/2012
125	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012
126	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012
127	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
128	1,2-Dichloroethane	203-458-1	107-06-2	12/19/2011
129	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011
130	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	12/19/2011
131	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011
132	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
133	Arsenic acid	231-901-9	7778-39-4	12/19/2011
134	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011
135	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011
136	Calcium arsenate	231-904-5	7778-44-1	12/19/2011
137	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011
138	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011
139	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011
140	Lead dipicrate	229-335-2	6477-64-1	12/19/2011
141	Lead styphnate	239-290-0	15245-44-0	12/19/2011
142	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011
143	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	12/19/2011
144	Phenolphthalein	201-004-7	77-09-8	12/19/2011
145	Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	12/19/2011
146	Trilead diarsenate	222-979-5	3687-31-8	12/19/2011
147	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
148	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20, 2008/10/28
149	1,2,3-trichloropropane	202-486-1	96-18-4	6/20/2011
150	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011
151	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011
152	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	6/20/2011
153	2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011
154	Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011
155	Strontium chromate	232-142-6	7789-6-2,	6/20/2011
156	2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010
157	2-Methoxyethanol	203-713-7	109-86-4	12/15/2010
158	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
159	Chromium trioxide	215-607-8	1333-82-0	12/15/2010
160	Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010
161	Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010
162	Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010
163	Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010
164	Ammonium dichromate	232-143-1	7789-9-5,	6/18/2010
165	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010
166	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	6/18/2010
167	Potassium chromate	232-140-5	7789-00-6	6/18/2010
168	Potassium dichromate	231-906-6	7778-50-9	6/18/2010
169	Sodium chromate	231-889-5	7775-11-3,	6/18/2010
170	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010
171	Trichloroethylene	201-167-4	79-01-6	6/18/2010
172	Acrylamide	201-173-7	79-06-1	3/30/2010
173	2,4-Dinitrotoluene	204-450-0	121-14-2	1/13/2010
174	Anthracene oil	292-602-7	90640-80-5	1/13/2010
175	Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010
176	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010



177	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1/13/2010
178	Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010
179	Diisobutyl phthalate	201-553-2	84-69-5	1/13/2010
180	Lead chromate	231-846-0	7758-97-6	1/13/2010
181	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010
182	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010
183	Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010
184	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010
185	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008
186	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	10/28/2008
187	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	10/28/2008
188	Anthracene	204-371-1	120-12-7	10/28/2008
189	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008
190	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	10/28/2008
191	Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008
192	Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008
193	Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008
194	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
195	Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008
196	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008
197	Triethyl arsenate	427-700-2	15606-95-8	10/28/2008



Challenge Electronics

95 E. Jefryn Blvd
Deer Park, NY 11729
Tel: 1-800-722-8197

Standard Operating Procedures

Revision Date: 01/30/2019
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