



January 27, 2020

REACH Declaration

Keystone Electronics Corp is a manufacturer of electronic components and hardware. We are therefore considered a “downstream user” as far as the REACH document is concerned. Keystone Electronics Corp. is therefore not obligated to register with the European Agency for Chemicals ‘ECHA’.

The products that we supply are non-chemical products and under normal and reasonable use, they will not release harmful substances.

Our products, except parts listed below (*) meet REACH requirements for chemicals designated by the European Chemicals Agency (ECHA) as Substances of Very High Concern (SVHC) appended on the following pages. We will continue to monitor the REACH regulation and advise of any changes.

Larry Nembhard
Director of Engineering

(*) **All Brass, Steel and Aluminum Spacers & Standoffs, Micro Pins & Jacks, Jack Screws, Binding Post, Banana Plugs, Knobs, Shaft locks, Brass Handles & Ferrules, Turret Terminals, Terminal Boards & PTFE Terminals & Pins**

- June 27, 2018 lead was added as a substance of concern. One of the condition of restriction is that the rate of lead release does not exceed 0.05 µg/g/h and for coated articles, that the “coating is sufficient to ensure that this release rate is not exceeded for a period of at least two years of normal or reasonably foreseeable condition of use of the article”.
- All our brass and aluminum standoffs contain lead CAS No. 7439-92-1, (3.5 % maximum for Brass & 0.4% maximum for Aluminum), as alloying element. These parts are plated and we are confident that under normal use will not release lead that exceeds 0.05µg/g/h.
- The commission will re-evaluate this entry in the light of new scientific information, including the availability of alternatives and coating integrity and if appropriate, modify this entry accordingly.

(*) **Polarizing Washer, Cat. No. 59:**

- Contains Lead Chromate Molybdate Sulphate Red CAS # 235-759-9 (.44%)

(*) **Rubber Grommets, Cat Numbers:**

734, 735, 737, 738, 741, 742, 743, 744, 746, 747, 748, 749, 750, 752, 753, 755, 756, 757:

- Contains contain DEHP CAS # 117-81-7 (.5% by weight)



<http://echa.europa.eu/candidate-list-table>

SVHC Substance Name	CAS-No. (Index No.)	Date of Inclusion
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	2008/10/28
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	2008/10/28
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	2008/10/28
Anthracene	204-371-1	2008/10/28
Benzyl butyl phthalate (BBP)	201-622-7	2008/10/28
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	2008/10/28
Bis(tributyltin)oxide (TBTO)	200-268-0	2008/10/28
Cobalt dichloride	231-589-4	2008/10/28
Diarsenic pentaoxide	215-116-9	2008/10/28
Diarsenic trioxide	215-481-4	2008/10/28
Dibutyl phthalate (DBP)	201-557-4	2008/10/28
Hexabromocyclododecane (HBCDD) and all major diastereoisomers:	247-148-4 and 221-695-9	2008/10/28
Alpha-hexabromocyclododecane	(134237-50-6)	2008/10/28
Beta-hexabromocyclododecane	(134237-51-7)	2008/10/28
Gamma-hexabromocyclododecane	(134237-52-8)	2008/10/28
Lead hydrogen arsenate	232-064-2	2008/10/28
Sodium dichromate	234-190-3 (7789-12-0 and 10588-01-9)	2008/10/28
Triethyl arsenate	427-700-2	2008/10/28
Ammonium dichromate	232-143-1	2010/06/18
Boric acid	233-139-2 / 234-343-4	2010/06/18
Disodium tetraborate, anhydrous	215-540-4	2010/06/18
Potassium chromate	232-140-5	2010/06/18
Potassium dichromate	231-906-6	2010/06/18
Sodium chromate	231-889-5	2010/06/18
Tetraboron disodium heptaoxide, hydrate	235-541-3	2010/06/18
Trichloroethylene	201-167-4	2010/06/18
2,4-Dinitrotoluene	204-450-0	2010/01/13
Aluminosilicate Refractory Ceramic Fibres	**see below	2010/01/13
Anthracene oil	292-602-7	2010/01/13
Anthracene oil, anthracene paste	292-603-2	2010/01/13
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	2010/01/13
Anthracene oil, anthracene paste, distn. lights	295-278-5	2010/01/13
Anthracene oil, anthracene-low	292-604-8	2010/01/13
Diisobutyl phthalate	201-553-2	2010/01/13
Lead chromate	231-846-0	2010/01/13
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	2010/01/13
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	2010/01/13
Pitch, coal tar, high temp.	266-028-2	2010/01/13
Tris(2-chloroethyl)phosphate	204-118-5	2010/01/13
Zirconia Aluminosilicate Refractory Ceramic Fibres	*see below	13.01.2010
Acrylamide	201-173-7	2010/03/30
Cobalt(II) sulphate	10124-43-3	2010/12/15



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Cobalt(II) dinitrate	10141-05-6	2010/12/15
Cobalt(II) carbonate	513-79-1	2010/12/15
Cobalt(II) diacetate	1-48-7	2010/12/15
2-Methoxyethanol	109-86-4	2010/12/15
2-Ethoxyethanol	110-80-5	2010/12/15
Chromium trioxide	333-82-0	2010/12/15
Chromic acid,	7738-94-5	2010/12/15
Oligomers of chromic acid and dichromic acid,		2010/12/15
Dichromic acid	13530-68-2	2010/12/15

2-Ethoxyethyl acetate	111-15-9	2011/06/20
Strontium chromate	7789-06-2	2011/06/20
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011/06/20
Hydrazine	302-01-2 / 7803-57-8	2011/06/20
1-Methyl-2-pyrrolidone	872-50-4	2011/06/20
1,2,3-Trichloropropane	96-18-4	2011/06/20
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011/06/20

Zirconia Aluminosilicate Refractory Ceramic		2011/12/19
Calcium arsenate	7778-44-1	2011/12/19
Bis(2-methoxyethyl) ether	111-96-6	2011/12/19
Aluminosilicate Refractory Ceramic Fibres		2011/12/19
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	2011/12/19
Lead dipicrate	6477-64-1	2011/12/19
N,N-dimethylacetamide	127-19-5	2011/12/19
Arsenic acid	7778-39-4	2011/12/19
2-Methoxyaniline; o-Anisidine	90-04-0	2011/12/19
Trilead diarsenate	3687-31-8	2011/12/19
1,2-dichloroethane	107-06-2	2011/12/19
Pentazinc chromate octahydroxide	49663-84-5	2011/12/19
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011/12/19
Bis(2-methoxyethyl) phthalate	117-82-8	2011/12/19
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011/12/19
Lead diazide, Lead azide	13424-46-9	2011/12/19
Phenolphthalein	77-09-8	2011/12/19
Dichromium tris(chromate)	24613-89-6	2011/12/19
Lead styphnate	15245-44-0	2011/12/19
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011/12/19

α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	2012/06/18
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012/06/18
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	2012/06/18
Diboron trioxide	1303-86-2	2012/06/18





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1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012/06/18
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)]	561-41-1	2012/06/18
Lead(II) bis(methanesulfonate)	17570-76-2	2012/06/18
Formamide	75-12-7	2012/06/18
[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)]	548-62-9	2012/06/18
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012/06/18
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione	2451-62-9	2012/06/18
Pyrochlore, antimony lead yellow	8012-00-8	2012/12/19
6-methoxy-m-toluidine	120-71-8	2012/12/19
Henicosafluoroundecanoic acid	2058-94-8	2012/12/19
Hexahydromethylphthalic anhydride	25550-51-0,	2012/12/19
cyclohexane-1,2-dicarboxylic anhydride	85-42-7,	2012/12/19
Dibutyltin dichloride (dbtc)	683-18-1	2012/12/19
Lead bis(tetrafluoroborate)	13814-96-5	2012/12/19
Lead dinitrate	10099-74-8	2012/12/19
Silicic acid, lead salt	11120-22-2	2012/12/19
4-aminoazobenzene	60-09-3	2012/12/19
Lead titanium zirconium oxide	12626-81-2	2012/12/19
Lead monoxide	1317-36-8	2012/12/19
o-toluidine	95-53-4	2012/12/19
3-ethyl-2-methyl-2-(3-methylbutyl)-1-3-oxazolidine	143860-04-2	2012/12/19
Silicic acid, barium salt, lead doped	68784-75-8	2012/12/19
Trilead bis(carbonate)dihydroxide	1319-46-6	2012/12/19
Furan	110-00-9	2012/12/19
n_n-dimethylformamide	68-12-2	2012/12/19
4-(1, 1, 3, 3-tetramethylbutyl)phenol, ethoxylated	-	2012/12/19
4-nonylphenol, branched and linear	-	2012/12/19
4,4-methylenedi-o-toluidine	838-88-0	2012/12/19
Diethyl sulphate	64-67-5	2012/12/19
Dimethyl sulphate	77-78-1	2012/12/19
Lead oxide sulfate	12036-76-9	2012/12/19
Lead titanium trioxide	12060-00-3	2012/12/19
Acetic acid, lead salt, basic	51404-69-4	2012/12/19
[Phtalato(2-)]dioxotrilead	69011-06-9	2012/12/19
Bis(pentabromophenyl) ether	1163-19-5	2012/12/19
n-methylacetamide	79-16-3	2012/12/19
dinoseb	88-85-7	2012/12/19
1_2-diethoxyethane	629-14-1	2012/12/19
Tetralead trioxide sulphate	12202-17-4	2012/12/19
n-pentyl-isopentylphtalate	776297-69-9	2012/12/19
Dioxobis(stearato)trilead	12578-12-0	2012/12/19
tetraethyllead	78-00-2	2012/12/19
Pentalead tetraoxide sulphate	12065-90-6	2012/12/19
Pentacosafuorotridecanoic acid	72629-94-8	2012/12/19
Tricosafuorododecanoic acid	307-55-1	2012/12/19
Heptacosafuorotetradecanoic acid	376-06-7	2012/12/19
1-bromopropane	106-94-5	2012/12/19
Methoxyacetic acid	625-45-6	2012/12/19
4-methyl-m-phenylenediamine	95-80-7	2012/12/19
(propylene oxide) methyloxirane	75-56-9	2012/12/19





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Trilead dioxide phosphonate	12141-20-7	2012/12/19
o-aminoazotoluene	97-56-3	2012/12/19
1,2-benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012/12/19
4-4-oxydianiline and its salts	101-80-4	2012/12/19
Orange lead (Lead tetroxide)	1314-41-6	2012/12/19
biphenyl-4-ylamine	92-67-1	2012/12/19
diisopentylphthalate	605-50-5	2012/12/19
Fatty acids, c16-18, lead salts	91031-62-8	2012/12/19
diazene-1, 2-dicarboxamide (c,c-azodi(formamide))	123-77-3	2012/12/19
Sulfurous acid, lead salt, dibasic	62229-08-7	2012/12/19
Lead cyanamidate	20837-86-9	2012/12/19
Cadmium	7440-43-9	2013/06/20
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013/06/20
Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013/06/20
Dipentyl phthalate (DPP)	131-18-0	2013/06/20
4-Nonylphenol, branched and linear, ethoxylated		2013/06/20
Cadmium oxide	1306-19-0	2013/06/20

1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16
Cadmium chloride	10108-64-2	2014/06/16
Sodium perborate; perboric acid, sodium salt		2014/06/16
Sodium peroxometaborate	7632-04-4	2014/06/16
2-(2H-benzotriazol-2-yl)	25973-55-1	2014/12/17
reaction mass of 2-ethylhexyl	-	2014/12/17
2-benzotriazol-2-yl	3846-71-7	2014/12/17
Cadmium fluoride	7790-79-6	2014/12/17
Cadmium sulphate	10124-36-4, 31119-53-6	2014/12/17
2-ethylhexyl	15571-58-1	2014/12/17
benzenedicarboxylic acid	68515-51-5	
5-sec-butyl-2 [covering any of the individual stereoisomers]	68648-93-1	2015/06/15
1,3-propanesultone	1120-71-4	2015/12/17
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015/12/17
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17
Nitrobenzene	98-95-3	2015/12/17
Perfluorononan-1-oic-acid and its sodium and ammonium salts	4149-60-4, 375-95-1, 21049-39-8	2015/12/17
Benzo {def} Chrysene	50-32-8	2016/06/20
4,4'-isopropylidenediphenol	80-05-7	
4-heptylphenol, branched and linear		2017/01/12
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	2017/01/12
p-(1,1-dimethylpropyl)phenol	80-46-6	2017/01/12
Perfluorohexane-1-sulphonic acid and its salts	80-05-7	2017/07/07
Benz[a]anthracene	56-55-3, 1718-53-2	2018/01/15
Cadmium carbonate	513-78-0	2018/01/15
Cadmium hydroxide	21041-95-2	2018/01/15
Cadmium nitrate	10022-68-1, 10325-94-7	2018/01/15
Chrysene	218-01-9, 1719-03-5	2018/01/15
Dodecachloropentacyclo[12.2.1.16,9.02,13,05,10]octadeca-7,15-diene ("Dechlorane Plus"™)		2018/01/15





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Terphenyl, hydrogenated	61788-32-7	2018/06/27
Octamethylcyclotetrasiloxane	556-67-2	2018/06/27
Lead	7439-92-1	2018/06/27
Ethylenediamine	107-15-3	2018/06/27
Dodecamethylcyclohexasiloxane	540-97-6	2018/06/27
Disodium octaborate	12008-41-2	2018/06/27
Dicyclohexyl phthalate		
DCHP	84-61-7	2018/06/27
Decamethylcyclopentasiloxane	541-02-6	2018/06/27
Benzo[ghi]perylene	191-24-2	2018/06/27
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	2018/06/27
Pyrene	129-00-0; 1718-52-1	2019/01/15
Phenanthrene	85-01-8	2019/01/15
Fluoranthene	206-44-0; 93951-69-0	2019/01/15
Benzo[k]fluoranthene	207-08-9	2019/01/15
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019/01/15
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	2019/01/15
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides		2019/07/16
2-methoxyethyl acetate	110-49-6	2019/07/16
4-tert-butylphenol	98-54-4	2019/07/16
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one		
3-benzylidene camphor; 3-BC	15087-24-8	2019/07/16
Perfluorobutane sulfonic acid (PFBS) and its salts		2020/01/16
Diisohexyl phthalate	71850-09-4	2020/01/16
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020/01/16
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020/01/16



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Designers and Manufacturers



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