



CERTIFICATE OF COMPLIANCE REACH DECLARATION

Dear Customer ;

This letter is to certify all Microsemi products are REACH compliant on the EU REGULATION (EC) No 1907/2006 . It does not contain the substances specified in the below REACH candidate list of "Substances of Very High Concern" (SVHC), above the threshold of 0.1 wt% (1,000 ppm).

Substance name	CAS Number	EC Number
Pyrochlore, antimony lead yellow	8012-00-8	232-382-1
6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1
Henicosfluoroundecanoic acid	2058-94-8	218-165-4
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]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1
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]	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9
Dibutyltin dichloride (DBTC)	683-18-1	211-670-0
Lead bis(tetrafluoroborate)	13814-96-5	237-486-0
Lead dinitrate	10099-74-8	233-245-9
Silicic acid, lead salt	11120-22-2	234-363-3
4-Aminoazobenzene	60-09-3	200-453-6
Lead titanium zirconium oxide	12626-81-2	235-727-4
Lead monoxide (lead oxide)	1317-36-8	215-267-0
o-Toluidine	95-53-4	202-429-0
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
Silicic acid (H ₂ Si ₂ O ₅), 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]	68784-75-8	272-271-5
Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6
Furan	110-00-9	203-727-3
N,N-dimethylformamide	68-12-2	200-679-5
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-

Substance name	CAS Number	EC Number
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]	-	-
4,4'-methylenedi-o-toluidine	838-88-0	212-658-8
Diethyl sulphate	64-67-5	200-589-6
Dimethyl sulphate	77-78-1	201-058-1
Lead oxide sulfate	12036-76-9	234-853-7
Lead titanium trioxide	12060-00-3	235-038-9
Acetic acid, lead salt, basic	51404-69-4	257-175-3
[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9
N-methylacetamide	79-16-3	201-182-6
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7
1,2-Diethoxyethane	629-14-1	211-076-1
Tetralead trioxide sulphate	12202-17-4	235-380-9
N-pentyl-isopentylphthalate	776297-69-9	-
Dioxobis(stearato)trilead	12578-12-0	235-702-8
Tetraethyllead	78-00-2	201-075-4
Pentalead tetraoxide sulphate	12065-90-6	235-067-7
Pentacosafuorotridecanoic acid	72629-94-8	276-745-2
Tricosafuorododecanoic acid	307-55-1	206-203-2
Heptacosafuorotetradecanoic acid	376-06-7	206-803-4
1-bromopropane (n-propyl bromide)	106-94-5	203-445-0
Methoxyacetic acid	625-45-6	210-894-6
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1
Methyloxirane (Propylene oxide)	75-56-9	200-879-2
Trilead dioxide phosphonate	12141-20-7	235-252-2
o-aminoazotoluene	97-56-3	202-591-2
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2
4,4'-oxydianiline and its salts	101-80-4	202-977-0
Orange lead (lead tetroxide)	1314-41-6	215-235-6
Biphenyl-4-ylamine	92-67-1	202-177-1
Diisopentylphthalate	605-50-5	210-088-4
Fatty acids, C16-18, lead salts	91031-62-8	292-966-7
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8
Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1
Lead cyanamidate	20837-86-9	244-073-9
a,a-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)]	6786-83-0	229-851-8
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (?-TGIC)	59653-74-6	423-400-0

Substance name	CAS Number	EC Number
Diboron trioxide	1303-86-2	215-125-8
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3
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	209-218-2
Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5
Formamide	75-12-7	200-842-0
[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	208-953-6
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
[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)]	2580-56-5	219-943-6
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2
N,N-dimethylacetamide	127-19-5	204-826-4
Phenolphthalein	77-09-8	201-004-7
Lead diazide, Lead azide	13424-46-9	236-542-1
Lead dipicrate	6477-64-1	229-335-2
1,2-dichloroethane	107-06-2	203-458-1
Calcium arsenate	7778-44-1	231-904-5
Dichromium tris(chromate)	24613-89-6	246-356-2
2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1
Pentazinc chromate octahydroxide	49663-84-5	256-418-0
Arsenic acid	7778-39-4	231-901-9
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	234-329-8
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1
Lead styphnate	15245-44-0	239-290-0
Trilead diarsenate	3687-31-8	222-979-5
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 micrometres (?m). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6
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 (?m) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-

Substance name	CAS Number	EC Number
Bis(2-methoxyethyl) ether	111-96-6	203-924-4
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9
Cobalt dichloride	7646-79-9	231-589-4
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6
Strontium chromate	2151068	232-142-6
1-Methyl-2-pyrrolidone	872-50-4	212-828-1
1,2,3-Trichloropropane	96-18-4	202-486-1
2-Ethoxyethyl acetate	111-15-9	203-839-2
Hydrazine	302-01-2, 7803-57-8	206-114-9
Cobalt(II) diacetate	71-48-7	200-755-8
Cobalt(II) sulphate	10124-43-3	233-334-2
2-Ethoxyethanol	110-80-5	203-804-1
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.	7738-94-5 , 13530-68-2	231-801-5 , 236-881-5
2-Methoxyethanol	109-86-4	203-713-7
Chromium trioxide	1333-82-0	215-607-8
Cobalt(II) carbonate	513-79-1	208-169-4
Cobalt(II) dinitrate	10141-05-6	233-402-1
Trichloroethylene	79-01-6	201-167-4
Potassium dichromate	7778-50-9	231-906-6
Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
Ammonium dichromate	2151163	232-143-1
Boric acid	10043-35-3, 11113-50-1	233-139-2, 234-343-4
Sodium chromate	2146108	231-889-5
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	215-540-4
Potassium chromate	7789-00-6	232-140-5
Acrylamide	79-06-1	201-173-7
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9
Anthracene oil	90640-80-5	292-602-7
2,4-Dinitrotoluene	121-14-2	204-450-0
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
Anthracene oil, anthracene-low	90640-82-7	292-604-8
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5
Diisobutyl phthalate	84-69-5	201-553-2
Lead chromate	7758-97-6	231-846-0
Anthracene oil, anthracene paste	90640-81-6	292-603-2
Pitch, coal tar, high temp.	65996-93-2	266-028-2
Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5

Substance name	CAS Number	EC Number
Lead hydrogen arsenate	7784-40-9	232-064-2
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4
Diarsenic trioxide	1327-53-3	215-481-4
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0
Triethyl arsenate	15606-95-8	427-700-2
Diarsenic pentaoxide	1303-28-2	215-116-9
Sodium dichromate	7789-12-0, 10588-01-9	234-190-3
Dibutyl phthalate (DBP)	84-74-2	201-557-4
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
Anthracene	120-12-7	204-371-1
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 , 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 , 221-695-9
Cadmium	7440-43-9	231-152-8
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4
Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9
Dipentyl phthalate (DPP)	131-18-0	05-017-9
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]	-	-
Cadmium oxide	1306-19-0	215-146-2
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9
Dihexyl phthalate	84-75-3	201-559-5
Cadmium sulphide	1306-23-6	215-147-8
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I.Direct Red 28)	573-58-0	209-358-4
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)	1937-37-7	217-710-3
Trixylyl phosphate	25155-23-1	246-677-8
Lead di(acetate)	301-04-2	206-104-4
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5
Sodium perborate; perboric acid, sodium salt	-	239-172-9 , 234-390-0
Sodium peroxometaborate	7632-04-4	231-556-4
Cadmium chloride	10108-64-2	233-296-7
Cadmium fluoride	7790-79-6	232-222-0
Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8

Substance name	CAS Number	EC Number
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
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)	-	-
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]	-	-
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)	68515-51-5 , 68648-93-1	271-094-0 , 272-013-1
Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 , 21049-39-8, 4149-60-4
Nitrobenzene	202-716-0	98-95-3
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) □□	253-037-1	36437-37-3
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1
1,3-propanesultone	214-317-9	1120-71-4
Benzo[def]chrysene	200-028-5	50-32-8
4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2, 3830-45-3, 3108-42-7	206-400-3, 221-470-5
p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9
4-heptylphenol, branched and linear [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]	-	-
Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	-
4,4'-isopropylidenediphenol Bisphenol A; BPA	80-05-7	201-245-8

Note: Number of Substances on the Candidate List: 174 (last updated: July 7, 2017)

Signature: Anusit.k.

Date : Wednesday, September 06, 2017

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