



REACH Certificate of Compliance

(174 substances— Jun 16, 2017)

To the best of Exar's knowledge and based upon information received from their suppliers, Exar does not use any Substances of Very High Concern (SVHC) listed under REACH requirements in below listed product(s) or in their manufacturing processes.¹ Table A is a list of these substances.

EXAR Product Number	
XR31233ED	XR31233EDTR
XR31234ED	XR31234EDTR
XR31235ED	XR31235EDTR

A handwritten signature in grey ink, appearing to read "J. [unclear]", is positioned above the date and title.

August 16, 2017

QA Manager

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Table A: List of REACH-SVHC

Date of Inclusion: June 16, 2017			EC Number
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	206-587-1	
Date of Inclusion: December 19, 2016			EC Number
173	4-tert-pentylphenol (PTAP)	201-280-9	
172	4-heptylphenol, branched and linear (4-HPbl)	-	
171	Nonadecafluorodecanoic acid (PGDA) and its sodium	206-400-3	
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	
Date of Inclusion: June 20, 2016			EC Number
169	Benzo[def]chrysene(Benzo[a]pyrene)	200-028-5	
Date of Inclusion: December 17, 2015			EC Number
168	1,3-propanesultone	214-317-9	
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	223-383-8	
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	253-037-1	
165	Nitrobenzene	202-716-0	
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	
Date of Inclusion: June 15, 2015			EC Number
163	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	
162	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]	-	
Date of Inclusion: December 17, 2014			EC Number
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	
158	Cadmium fluoride	232-222-0	
157	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)	-	
156	Cadmium sulphate	233-331-6	
Date of Inclusion: June 16, 2014			EC Number
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	
153	Sodium peroxometaborate	231-556-4	
152	Cadmium chloride	233-296-7	
Date of Inclusion: December 16, 2013			EC Number
151	Cadmium sulphide	215-147-8	
150	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	
149	Dihexyl phthalate	201-559-5	
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	
147	Trixylyl phosphate	246-677-8	
146	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	
145	Lead di(acetate)	206-104-4	
Date of Inclusion: June 20, 2013			EC Number
144	Cadmium	231-152-8	
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	
142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	
141	Dipentyl phthalate (DPP)	205-017-9	
140	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]	-	
139	Cadmium oxide	215-146-2	
Date of Inclusion: December 19, 2012			EC Number
138	Trilead dioxide phosphonate	235-252-2	
137	Trilead bis(carbonate)dihydroxide	215-290-6	
136	Tricosafuorododecanoic acid	206-203-2	
135	Tetralead trioxide sulphate	235-380-9	
134	Tetraethyllead	201-075-4	
133	Sulfurous acid, lead salt, dibasic	263-467-1	
132	Silicic acid, lead salt	234-363-3	
131	Silicic acid (H ₂ SiO 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]	272-271-5	
130	Pyrochlore, antimony lead yellow	232-382-1	
129	Pentalead tetraoxide sulphate	235-067-7	
128	Pentacosafuoroheptadecanoic acid	276-745-2	
127	Orange lead (lead tetroxide)	215-235-6	
126	o-Toluidine	202-429-0	
125	o-aminoazotoluene	202-591-2	
124	N-pentyl-isopentylphthalate	-	
123	N-methylacetamide	201-182-6	
122	N,N-dimethylformamide	200-679-5	
121	Methyloxirane (Propylene oxide)	200-879-2	
120	Methoxyacetic acid	210-894-6	
119	Lead titanium zirconium oxide	235-727-4	



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118	Lead titanium trioxide	235-038-9	85	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2
117	Lead oxide sulfate	234-853-7		Date of Inclusion: June 18, 2012	EC Number
116	Lead monoxide (lead oxide)	215-267-0	84	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)]	229-851-8
115	Lead dinitrate	233-245-9	83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2
114	Lead cyanamidate	244-073-9	82	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
113	Lead bis(tetrafluoroborate)	237-486-0	81	Diboron trioxide	215-125-8
112	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	80	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3
111	Heptacosafuorotetradecanoic acid	206-803-4	79	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2
110	Henicosafuoroundecanoic acid	218-165-4	78	Lead(II) bis(methanesulfonate)	401-750-5
109	Furan	203-727-3	77	Formamide	200-842-0
108	Fatty acids, C16-18, lead salts	292-966-7	76	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6
107	Dioxobis(stearato)trilead	235-702-8	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	74	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6
105	Dimethyl sulphate	201-058-1	73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3
104	Diisopentylphthalate	210-088-4	72	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5
103	Diethyl sulphate	200-589-6		Date of Inclusion: December 19, 2011	EC Number
102	Dibutyltin dichloride (DBTC)	211-670-0	71	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	70	N,N-dimethylacetamide	204-826-4
100	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	69	Phenolphthalein	201-004-7
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	68	Lead diazide, Lead azide	236-542-1
98	Biphenyl-4-ylamine	202-177-1	67	Lead dipicrate	229-335-2
97	Acetic acid, lead salt, basic	257-175-3	66	1,2-dichloroethane	203-458-1
96	[Phthalato(2-)]dioxotrilead	273-688-5	65	Calcium arsenate	231-904-5
95	6-methoxy-m-toluidine (p-cresidine)	204-419-1	64	Dichromium tris(chromate)	246-356-2
94	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]	-	63	2-Methoxyaniline; o-Anisidine	201-963-1
93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	62	Pentazinc chromate octahydroxide	256-418-0
92	4-Aminoazobenzene	200-453-6	61	Arsenic acid	231-901-9
91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	60	Potassium hydroxyoctaoxodizincatedichromate	234-329-8
90	4,4'-oxydianiline and its salts	202-977-0	59	Formaldehyde, oligomeric reaction products with aniline	500-036-1
89	4,4'-methylenedi-o-toluidine	212-658-8	58	Lead styphnate	239-290-0
88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	57	Trilead diarsenate	222-979-5
87	1-bromopropane (n-propyl bromide)	203-445-0			
86	1,2-Diethoxyethane	211-076-1			

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56	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 (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight		39	2-Methoxyethanol	203-713-7
			38	Chromium trioxide	215-607-8
			37	Cobalt(II) carbonate	208-169-4
			36	Cobalt(II) dinitrate	233-402-1
				Date of Inclusion: June 18, 2010	EC Number
			35	Trichloroethylene	201-167-4
			34	Potassium dichromate	231-906-6
			33	Tetraboron disodium heptaoxide, hydrate	235-541-3
			32	Ammonium dichromate	232-143-1
			31	Boric acid	233-139-2, 234-343-4
			30	Sodium chromate	231-889-5
			29	Disodium tetraborate, anhydrous	215-540-4
			28	Potassium chromate	232-140-5
				Date of Inclusion: March 30, 2010	EC Number
			27	Acrylamide	201-173-7
				Date of Inclusion: January 13, 2010	EC Number
55	Bis(2-methoxyethyl) phthalate	204-212-6			
54	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 (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight		26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7
			25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9
			24	Anthracene oil	292-602-7
			23	2,4-Dinitrotoluene	204-450-0
			22	Anthracene oil, anthracene paste, anthracene fraction	295-275-9
			21	Anthracene oil, anthracene-low	292-604-8
			20	Tris(2-chloroethyl)phosphate	204-118-5
			19	Diisobutyl phthalate	201-553-2
			18	Lead chromate	231-846-0
			17	Anthracene oil, anthracene paste	292-603-2
			16	Pitch, coal tar, high temp.	266-028-2
			15	Anthracene oil, anthracene paste, distn. lights	295-278-5
				Date of Inclusion: October 28, 2008	EC Number
53	Bis(2-methoxyethyl) ether	203-924-4	14	Lead hydrogen arsenate	232-064-2
52	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	13	Benzyl butyl phthalate (BBP)	201-622-7
51	Cobalt dichloride	231-589-4	12	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0
	Date of Inclusion: June 20, 2011	EC Number	11	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4
50	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	10	Diarsenic trioxide	215-481-4
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	9	Bis(tributyltin)oxide (TBTO)	200-268-0
48	Strontium chromate	232-142-6	8	Triethyl arsenate	427-700-2
47	1-Methyl-2-pyrrolidone	212-828-1	7	Diarsenic pentaoxide	215-116-9
46	1,2,3-Trichloropropane	202-486-1	6	Sodium dichromate	234-190-3
45	2-Ethoxyethyl acetate	203-839-2	5	Dibutyl phthalate (DBP)	201-557-4
44	Hydrazine	206-114-9	4	4,4'- Diaminodiphenylmethane (MDA)	202-974-4
	Date of Inclusion: December 15, 2010	EC Number	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5
43	Cobalt(II) diacetate	200-755-8	2	Anthracene	204-371-1
42	Cobalt(II) sulphate	233-334-2	1	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4, 221-695-9
41	2-Ethoxyethanol	203-804-1			
40	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			