<table>
<thead>
<tr>
<th>Environmental Category &amp; Description</th>
<th>Details for: SP2526A-1EN-L/TR</th>
</tr>
</thead>
<tbody>
<tr>
<td>**RoHS</td>
<td>Exempt**</td>
</tr>
<tr>
<td><strong>RoHS</strong></td>
<td>If “Y”, then product is RoHS compliant meeting the requirements of Directive (EU) 2015/863 with no exemptions taken. See Appendix B.</td>
</tr>
<tr>
<td><strong>Halogen Free</strong></td>
<td>If “Y”, then product is halogen and lead (Pb) free. Green products meet RoHS requirements plus additional hazardous material restrictions. See Appendix C.</td>
</tr>
<tr>
<td><strong>REACH</strong></td>
<td>If “Y”, then product does not use any Substances of Very High Concern (SVHC) under REACH requirements. See Appendix D for a list of these substances. If “N”, please see Appendix E for SVHC that is contained in this product.</td>
</tr>
<tr>
<td><strong>TSCA</strong></td>
<td>If “Y”, then product is compliant and does not use any of the Toxic Substance Control Act (TSCA) restricted substances. See Appendix F for a list of these substances.</td>
</tr>
</tbody>
</table>

MaxLinear, Inc.
Quality and Reliability
Apr 30, 2024
Appendix A | RoHS with Exemption

<table>
<thead>
<tr>
<th>Exemption</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>Lead in high melting temperature type solders</td>
</tr>
<tr>
<td>7c</td>
<td>Electrical and electronic components containing lead in a glass or ceramic, e.g., piezoelectronic devices, or in a glass or ceramic matrix compound.</td>
</tr>
<tr>
<td>15</td>
<td>Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages</td>
</tr>
</tbody>
</table>

Appendix B | RoHS Directive (EU) 2015/863

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Allowable Limit (at homogenous material level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (Cd)</td>
<td>100 ppm (0.01 weight %)</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Hexavalent Chromium (Cr6+)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Polybrominated biphenyls (PBB)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl) phtalate (DEHP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Benzyl butyl phthalate (BBP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
<tr>
<td>Di(2-ethylhexyl) phthalate (DEHP)</td>
<td>1000 ppm (0.10 weight %)</td>
</tr>
</tbody>
</table>

Section: Appendix C | Halogen Free

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Allowable Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromine (Br)</td>
<td>900 ppm</td>
</tr>
<tr>
<td>Chlorine (Cl)</td>
<td>900 ppm</td>
</tr>
<tr>
<td>Antimony (Sb₂O₃ )</td>
<td>900 ppm</td>
</tr>
</tbody>
</table>

*Note: The values above are provided in terms of total halogens (sum of all halogen atoms) in the specified material.*

Appendix D | REACH 235 - Regulation (EC) No 1907/2006 (Threshold Limit 1000ppm (0.1% w/w))

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Allowable Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>235</td>
<td></td>
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<tr>
<td>234</td>
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<td>233</td>
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<tr>
<td>221</td>
<td></td>
</tr>
<tr>
<td>220</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The values listed are threshold limits in parts per million (ppm) as indicated in the table. The specific substances and their limits are detailed in the table entries.*/

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Carlsbad, CA 92008
www.maxlinear.com

213 2,2-bis(bromomethyl)propane, 1,3-diol (BMMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBMPA); 2,3-dibromo-1-propanol (2,3-DIBPA)

212 1,4-dioxane

Date of Inclusion: January 19, 2021
EC Number: 204-661-8
CAS Number: 123-91-1

211 Dioctyltin dilaurate, stannane, dioctyl, bis(coco acyloxy)deriv., and any other stannane, dioctyl, bis(fatty acyloxy) deriv. wherein C12 is the predominant carbon number of the fatty acyloxy moiety

210 Bis(2-methoxethyl)glycidylether

Date of Inclusion: June 25, 2020
EC Number: 205-054-7
CAS Number: 143-24-8

209 Dibutyldiphenyl ether-2,4-dioato, O(phen)

Date of Inclusion: January 16, 2020
EC Number: 245-152-0
CAS Number: 22673-19-4

208 Butyl 4-hydroxybenzoate

207 2-methylimidazole

206 1-vinylimidazole

Date of Inclusion: July 16, 2019
EC Number: 110-012-0
CAS Number: 1072-63-5

205 Perfluorobutane sulfonic acid [PFBS] and its salts

204 Dioctyl phthalate

203 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one

202 2-benzyl-2-dimethylamino-4-morpholinobutane

Date of Inclusion: January 16, 2020
EC Number: 272-013-1
CAS Number: 71868-10-5

201 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides

200 2-methylpentane

199 4-tert-butylphenol

198 Tris(4-nonylphenyl), branched and linear phosphate (TNPP) with ≥0.1% w/w of 4-nonylphenol, branched and linear (4-NP)

Date of Inclusion: January 15, 2015
EC Number: 206-801-3
CAS Number: 78-91-8

197 1,7,7-trimethyl-3-phenoxypropylene/bicyclo[2.2.1]heptan-2-one

196 Pyrene

195 Phenanthrene

194 Fluoranthene

193 Benzo[a]fluoranthene

192 2,2-bis[4-hydroxyphenyl]-4-methylpentane

Date of Inclusion: Jan 27, 2018
EC Number: 401-720-1
CAS Number: 6807-17-6

191 Benzene-1,2,4-tricarboxylic acid 1,2 anhydride

190 Benzohydroquinone

189 Decamethylcyclopentasiloxane

188 Dicyclohexyl phthalate

187 Dicarboxylic acid, di-C6-C10 alkyl esters; 1,2-benzene dicarboxylic acid, mixed decyl and heptyl acyl diesters with ≥0.3% of diheptyl phthalate (EC No. 201-359-5)

186 Dodecamethylcyclohexasiloxane

185 Ethylenediamine

184 Lead NOTE: Does not exceed threshold levels specified in RoHS Directive (EU) 2015/863

183 Octamethylcyclotetrasiloxane

182 Terphenyl, hydrogenated

Date of Inclusion: Jun 27, 2018
EC Number: 201-280-9
CAS Number: 556-67-2

181 Benz[a]anthracene

180 Cadmium carbonate

179 Cadmium hydroxide

178 Cadmium nitrate

177 Chrysene

176 Dodecachlorohexafluorocarbon [C12 H16 Cl6 F120], 22,2,3,4,5,6,7,8,9,10-decacloro-7,15-diene ("Dechlorane Plus"")

175 Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (BP-HP)

Date of Inclusion: Jul 07, 2017
EC Number: 208-168-9
CAS Number: 7439-92-1

174 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)

173 p-1,1-dimethylpropylphenol

172 4-heptylphenol, branched and linear

171 Nonacarboxylic acid (PDA) and its sodium and ammonium salts

170 4,4`-isopropylidenediphenol (bisphenol A)

Date of Inclusion: Jun 20, 2016
EC Number: 202-248-6
CAS Number: 80-5-7

169 Benzyl[4]-phenol (Benzo[a]pyrene)

168 1,3-propanesultone

167 2,4-di-tert-butyl-6-(5-chlorobenzo[a]zol-2-y1)phenyl (UV-327)

166 2,2diethylbenzoxazole-2-y1)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)

165 Nitrobenzene

164 Perfluorononan-1-ol acid and its sodium and ammonium salts

Date of Inclusion: Dec 17, 2015
EC Number: 206-801-3
CAS Number: 4149-60-4

163 1,2-benzenedicarboxylic acid, di-C6-C10 alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and heptyl acyl diesters with ≥0.3% of diheptyl phthalate (EC No. 201-359-5)

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: Dec 17, 2014
EC Number: 272-013-1
CAS Number: 6868-93-1

161 2,2-bis[bromomethyl]propane, 1,3-diol (BMMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBMPA); 2,3-dibromo-1-propanol (2,3-DIBPA)

160 1,4-dioxane

Date of Inclusion: Jan 25, 2020
EC Number: 204-661-8
CAS Number: 123-91-1

159 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides

158 2-methylpentane

157 4-tert-butylphenol

156 2-methoxyethyl acetate

155 2,3-dibromo-1-propanol (2,3-DIBPA)

Date of Inclusion: Dec 17, 2015
EC Number: 272-013-1
CAS Number: 6868-93-1

154 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides

153 2-methylpentane

152 4-tert-butylphenol

151 2-methoxyethyl acetate
161. 2-(2H-benzotriazol-2-yl)4,6-diphenylsulfanilic acid (UV-328) 247-384-8 25973-55-1
160. 2-benzotriazolyl-2-yI-4,6-di-tert-butylphenol (UV-320) 223-346-6 3846-71-7
159. 2-ethylhexyl 10-ethyl-4,4'-dicarboxyl-7-oxo-oct-3,5-dithia-4-stannatetradecanoate (DOTE) 239-622-4 15571-58-1
158. reaction mass of 2-ethylhexyl 10-ethyl-4,4'-dicarboxyl-7-oxo-oct-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-(1-[2-[2-ethylhexyl]oxoy]2-oxoethyl)thio)4-octyl-7-oxo-oct-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) - -
156. Cadmium sulphate 233-331-6 10124-36-4 31119-53-6

Date of Inclusion: Jun 14, 2016
EC Number CAS Number
151. Cadmium sulphide 215-147-8 1306-2-6
150. Dioxane 4-amino-3-[[4-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydoxy-6-(phenylazo)naphthalene-2,7-disulfonate (C.I. Direct Black 38) 217-710-3 1937-37-7
149. Dihexyl phthalate 201-559-5 84-75-3
148. Indomethacin 202-506-9 96-45-7
147. Triethyl phosphate 146-677-8 15155-23-1
146. Dioxane 3,3'-(1,1'-biphenyl)-4,4'-diybis[azao][bis(4-aminonaphthalene-1-sulfonate)] (C.I. Direct Red 28) 209-358-4 573-58-6
145. Lead(diacetate) 206-104-4 301-04-2

Date of Inclusion: Jun 20, 2013
EC Number CAS Number
144. Cadmium 231-152-8 7440-43-9
143. Ammonium pentadecafluorooctanoate (APFO) 223-320-4 3825-26-1
142. Pentadecafluorooctanoic acid (PFOA) 206-397-9 335-47-1
141. Dicaprylyl phthalate (DCP) 205-017-9 111-58-0
140. 4-Nonylphenol, branched and linear, ethoxylated 215-146-2 1306-19-0

Date of Inclusion: Dec 19, 2012
EC Number CAS Number
139. Cadmium oxide 234-363-7 11120-22-2
138. Silica gel 332-72-5 68145-23-8
137. Potassium fluoride 201-075-4 78-00-2
136. Silica 213-11-8 1254-01-7
135. Silica sols, fumed 238-132-7 78532-80-4
134. Silica sols, fumed 238-131-6 78532-81-5
133. Silica gel 238-335-5 78532-83-7
132. Silica gel 232-323-5 87881-90-4
131. Silica gel (NH2)2 (NH2)2, barium salt (1:1), lead-doped 232-271-5 61874-25-8
130. Pyrohydroxylamine 232-382-1 8012-00-8
129. Pentalead tetraoxide 235-067-7 12005-90-6
128. Pentacosafluorotetradecanoic acid 276-745-2 72629-94-8
127. Orange lead (lead tetrate) 215-235-6 1314-41-6
126. o-Tolidine 202-429-0 95-53-4
125. o-Methylaminotoluene 202-591-2 97-56-3
124. N-phenylpiperonylphthalate 201-182-6 77629-69-9
123. N-methylcarbazate 201-182-6 79-16-3
122. N,N-dimethylformamide 200-679-5 68-12-2
121. Methylisoxazoline (Propylene oxide) 200-879-2 75-39-9
120. Methoxyacetic acid 210-869-6 925-40-9
119. Lead(II) acetate 235-727-4 12626-81-2
118. Lead(II) oxide 235-038-9 12060-00-3
117. Lead(II) oxide 234-853-7 12036-76-9
116. Lead monoxide (lead oxide) 235-267-0 1131-78-8
115. Lead nitrate 231-245-9 10039-74-8
114. Lead cyanate 244-073-9 20837-86-9
113. Lead bis(tetrafluoroborate) 237-486-0 13814-96-5
112. Hexahydromethyldithialic anhydride 247-072-0 19438-60-9
111. Heptafluorooctacarboxylic acid 260-566-1 57110-29-9
110. Hexafluoroheptacarboxylic acid 256-356-4 48122-14-1
109. Octafluorooctanoic acid 347-094-1 35550-11-0
108. Nonanoic acid, C9H18O2, lead salts 193-966-7 91031-62-8
107. Dioctyl bis(tetradecyl)lead 235-702-8 12578-12-0
106. Dibenzo[b,k]fluorophenol 201-861-7 88-45-7
105. Dibutyl phthalate 201-058-1 77-78-1
104. Diocetylphthalate 210-088-4 605-59-5
103. Diethyl phosphate 200-589-6 64-67-5
102. Dibutyltin dichloride (DBTC) 211-670-0 683-18-1
101. Dioctyl-1,2-distearin amide (C8-C18 amideformamide) 200-650-8 123-77-7
99. Bis(2-naphtho)ketophenon (ether) (decabromodiphenyl ether: DecaBDE) 214-609-4 1163-19-5
98. Biphenyl-4-alanine 202-177-1 92-67-1
95. N-Trimethoxy-m-toluidine (o-cresidine) 204-419-1 120-71-8
94. 4-Nonylphenol, branched and linear - -
4-methyl-m-phenylenediamine (toluen-2,4-diamine)
4-Aminoazobenzene
4,4,1,3,3-tetramethyloctylphenol, ethoxylated
4,4'-oxydianiline and its salts
4,4'-methylene dianiline and its salts
4,4'-methylene dianiline and its salts
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
1-bromopropene (n-propyl bromide)
1,2-Diethoxyethane
1,2-Benzencarboxylic acid, dipentylester, branched and linear
Date of Inclusion: Jun 18, 2012
a,a,Bis(4-dimethylamino)phenyl)-4(phenylaminophenyl)-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))
N,N’,N”-Tetramethyl-4,4-methylene dianiline (Michler’s base)
1,3,5-tris(25 and 2H)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione [β-TGIC]
Diboron trioxide
1,2-Di(iso-propyl) ethylene (TEGME), triglyme
4,4’-bis(dimethylamino)-4’-dimethylaminopropyl alcohol (with ≥ 0.1% of Michler’s ketone (EC No. 202-027-5) or Michler’s base (EC No. 202-959-2))
Lead(II) bis(methanesulfonate)
Formamide
[4-[4,4-bis(dimethylamino)biphenyl]-2,2-bicyclohexa-2,5-dien-1-yldiene]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))
1,2-dimethylhexane; ethylene glycol dimethyl ether (EGME)
[4-[4-anilino-1-naphthyl]-4(dimethylaminophenyl)methylene]-cyclohexa-2,5-dien-1-yldiene]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))
1,3,5-trisoxan-2-ylmethyl)-1,3,5-triazirane-2,4,6-trione (ICGC)
[4,4’-bis(dimethylamino)benzenophenone (Michler’s ketone)
Date of Inclusion: Dec 19, 2011
4,0,1,3,3’-tetramethyloctylphenol
N,N-dimethylacetamide
Phenolphthalein
Lead dioxide, lead oxide
Lead(II) picrate
1,2-dichloroethane
Calcium arsenate
Dichromium trioxide
2-Methoxyaniline, o-Arisidine
Fenantrene chromate acetylhydroxy
Arsenic acid
Potassium hydroxyacetoxodinitrichromate
Formaldehyde, oligomeric reaction products with aniline
Lead stibophosphate
Trilead diarsenate
Zirconia Aluminosilicate Refractory Ceramic Fibres
Bis(2-methoxyethyl)phthalate
Aluminosilicate Refractory Ceramic Fibres
Bis(2-methoxyethyl)ether
2,2’-dichloro-4,4’-methyleneedianiline
Cobalt dichloride
Date of Inclusion: Jun 20, 2011
1,2-Benzencarboxylic acid, di-C6-8 branched alkyl esters, C7-rich
1,2-Benzencarboxylic acid, di-C7-11 branched and linear alkyl esters
Strontium chromate
1-Methyl-2-pyrrolidone
1,2,3-Trichloropropane
2-Ethoxyethyl acetate
Hydrazone
Date of Inclusion: Dec 15, 2010
Cobalt(II) diacetate
Cobalt(II) sulphate
2-Ethoxyethanol
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.
2-Methylenecyclohexanone
Chromium trioxide
Cobalt(II) carbonate
Cobalt(II) dimurate
Date of Inclusion: Jun 18, 2010
Trichloroethylene
Potassium dichromate
Tetraboron disodium heptaoxide, hydrate
Ammonium dichromate
Boric acid
Sodium chromate
Disodium tetraborate, anhydrous
Potassium chromate
Date of Inclusion: Mar 30, 2010

Appendix E | REACH Substance intentionally added (See page 1, Environmental Category & Description, if applicable to this product.)

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>Where used</th>
<th>CAS Number</th>
<th>Threshold Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-Isopropylidenediphenol (Bisphenol A)</td>
<td>Substrate laminate</td>
<td>80-05-7</td>
<td>&gt;0.1% w/w</td>
</tr>
</tbody>
</table>

Appendix F | TSCA

<table>
<thead>
<tr>
<th>Restricted Substance</th>
<th>CAS Number</th>
<th>Threshold Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)</td>
<td>732-26-3</td>
<td>&gt;0.3% w/w</td>
</tr>
<tr>
<td>Hexachlorobutadiene (HCBD)</td>
<td>87-68-3</td>
<td>&gt;0% w/w</td>
</tr>
<tr>
<td>Pentachlorophenol (PCP)</td>
<td>133-49-3</td>
<td>&gt;1% w/w</td>
</tr>
<tr>
<td>Decabromodiphenyl ether (DecaBDE)</td>
<td>1163-19-5</td>
<td>&gt;0% w/w</td>
</tr>
<tr>
<td>Phenol, isopropylated phosphate (3:1) (PIP 3:1)</td>
<td>68937-41-7</td>
<td>&gt;0% w/w</td>
</tr>
</tbody>
</table>