

This declaration covers the following products ("Products") manufactured by or on behalf of Cree LED, Inc. and its subsidiaries (collectively "Cree LED") and shipped by Cree LED after June 24, 2024:

| | |
|--------------------------------|-----------------|
| Product Identification: | XLamp → CHA0612 |
| Location(s): | All Locations |

These Products are considered to be "articles" under Regulation (EC) No. 1907/2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended through June 2009 ("EU REACH"). Cree LED is not subject to the EU REACH pre-registration and registration requirements with respect to these Products.

EU REACH requires Cree LED to advise requestors of Candidate List Substances of Very High Concern (SVHC) $\geq 0.1\%$ by total weight of articles.

Cree declares that none of the following substances listed currently as an SVHC (as of June 27, 2024) are intentionally added or used in the products listed above, except as noted in the list below. Cree's SVHC content determination is based on supplier surveys and/or internal process knowledge.

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|-----------|--|----------------|-------------------------|
| 1 | 4,4'- Diaminodiphenylmethane (MDA) | 202-974-4 | 101-77-9 | 28-Oct-2008 | Not intentionally added |
| 2 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | 81-15-2 | 28-Oct-2008 | Not intentionally added |
| 3 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | 85535-84-8 | 28-Oct-2008 | Not intentionally added |
| 4 | Anthracene | 204-371-1 | 120-12-7 | 28-Oct-2008 | Not intentionally added |
| 5 | Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 | 28-Oct-2008 | Not intentionally added |
| 6 | Bis (2-ethylhexyl)phthalate (DEHP) | 204-211-0 | 117-81-7 | 28-Oct-2008 | Not intentionally added |
| 7 | Bis(tributyltin)oxide (TBTO) | 200-268-0 | 56-35-9 | 28-Oct-2008 | Not intentionally added |
| 8 | Cobalt dichloride | 231-589-4 | 7646-79-9 | 28-Oct-2008 | Not intentionally added |
| 9 | Diarsenic pentaoxide | 215-116-9 | 1303-28-2 | 28-Oct-2008 | Not intentionally added |
| 10 | Diarsenic trioxide | 215-481-4 | 1327-53-3 | 28-Oct-2008 | Not intentionally added |
| 11 | Dibutyl phthalate (DBP) | 201-557-4 | 84-74-2 | 28-Oct-2008 | Not intentionally added |
| 12 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | | 25637-99-4 3194-55-6 134237-50-6 247-148-4 134237-51-7 221-695-9 134237-52-8 | 28-Oct-2008 | Not intentionally added |
| 13 | Lead hydrogen arsenate | 232-064-2 | 7784-40-9 | 28-Oct-2008 | Not intentionally added |
| 14 | Sodium dichromate | 234-190-3 | 7789-12-0 10588-01-9 | 28-Oct-2008 | Not intentionally added |
| 15 | Triethyl arsenate | 427-700-2 | 15606-95-8 | 28-Oct-2008 | Not intentionally added |
| 16 | 2,4-Dinitrotoluene | 204-450-0 | 121-14-2 | 13-Jan-2010 | Not intentionally added |
| 17 | Anthracene oil | 292-602-7 | 90640-80-5 | 13-Jan-2010 | Not intentionally added |
| 18 | Anthracene oil, anthracene paste | 292-603-2 | 90640-81-6 | 13-Jan-2010 | Not intentionally added |
| 19 | Anthracene oil, anthracene paste, anthracene fraction | 295-275-9 | 91995-15-2 | 13-Jan-2010 | Not intentionally added |
| 20 | Anthracene oil, anthracene paste, distn. lights | 295-278-5 | 91995-17-4 | 13-Jan-2010 | Not intentionally added |
| 21 | Anthracene oil, anthracene-low | 292-604-8 | 90640-82-7 | 13-Jan-2010 | Not intentionally added |
| 22 | Diisobutyl phthalate | 201-553-2 | 84-69-5 | 13-Jan-2010 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|-----------------------------|--------------------------------------|----------------|-------------------------|
| 23 | Lead chromate | 231-846-0 | 7758-97-6 | 13-Jan-2010 | Not intentionally added |
| 24 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 235-759-9 | 12656-85-8 | 13-Jan-2010 | Not intentionally added |
| 25 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 215-693-7 | 1344-37-2 | 13-Jan-2010 | Not intentionally added |
| 26 | Pitch, coal tar, high temp. | 266-028-2 | 65996-93-2 | 13-Jan-2010 | Not intentionally added |
| 27 | Tris(2-chloroethyl) phosphate | 204-118-5 | 115-96-8 | 13-Jan-2010 | Not intentionally added |
| 28 | Acrylamide | 201-173-7 | 79-06-1 | 30-Mar-2010 | Not intentionally added |
| 29 | Ammonium dichromate | 232-143-1 | 9-5-7789 | 18-Jun-2010 | Not intentionally added |
| 30 | Boric acid | 233-139-2 234-343-4 | 10043-35-3 11113-50-1 | 18-Jun-2010 | Not intentionally added |
| 31 | Disodium tetraborate, anhydrous | 215-540-4 | 1303-96-4 1330-43-4 12179-04-3 | 18-Jun-2010 | Not intentionally added |
| 32 | Potassium chromate | 232-140-5 | 7789-00-6 | 18-Jun-2010 | Not intentionally added |
| 33 | Potassium dichromate | 231-906-6 | 7778-50-9 | 18-Jun-2010 | Not intentionally added |
| 34 | Sodium chromate | 231-889-5 | 11-3-7775 | 18-Jun-2010 | Not intentionally added |
| 35 | Tetraboron disodium heptaoxide, hydrate | 235-541-3 | 12267-73-1 | 18-Jun-2010 | Not intentionally added |
| 36 | Trichloroethylene | 201-167-4 | 79-01-6 | 18-Jun-2010 | Not intentionally added |
| 37 | 2-Ethoxyethanol | 203-804-1 | 110-80-5 | 15-Dec-2010 | Not intentionally added |
| 38 | 2-Methoxyethanol | 203-713-7 | 109-86-4 | 15-Dec-2010 | Not intentionally added |
| 39 | Chromic acid Oligomers of chromic acid and dichromic acid Dichromic acid | 231-801-5 - 236-881-5 | 7738-94-5 - 13530-68-2 | 15-Dec-2010 | Not intentionally added |
| 40 | Chromium trioxide | 215-607-8 | 1333-82-0 | 15-Dec-2010 | Not intentionally added |
| 41 | Cobalt(II) carbonate | 208-169-4 | 513-79-1 | 15-Dec-2010 | Not intentionally added |
| 42 | Cobalt(II) diacetate | 200-755-8 | 71-48-7 | 15-Dec-2010 | Not intentionally added |
| 43 | Cobalt(II) dinitrate | 233-402-1 | 10141-05-6 | 15-Dec-2010 | Not intentionally added |
| 44 | Cobalt(II) sulphate | 233-334-2 | 10124-43-3 | 15-Dec-2010 | Not intentionally added |
| 45 | 1,2,3-Trichloropropane | 202-486-1 | 96-18-4 | 20-Jun-2011 | Not intentionally added |
| 46 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 276-158-1 | 71888-89-6 | 20-Jun-2011 | Not intentionally added |
| 47 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4 | 20-Jun-2011 | Not intentionally added |
| 48 | 1-Methyl-2-pyrrolidone | 212-828-1 | 872-50-4 | 20-Jun-2011 | Not intentionally added |
| 49 | 2-Ethoxyethyl acetate | 203-839-2 | 111-15-9 | 20-Jun-2011 | Not intentionally added |
| 50 | Hydrazine | 206-114-9 | 302-01-2 7803-57-8 | 20-Jun-2011 | Not intentionally added |
| 51 | Strontium chromate | 232-142-6 | 6-2-7789 | 20-Jun-2011 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|---|-------------------------|------------|----------------|-------------------------|
| 52 | 1,2-dichloroethane | 203-458-1 | 107-06-2 | 19-Dec-2011 | Not intentionally added |
| 53 | 2,2'-dichloro-4,4'-methylenedianiline | 202-918-9 | 101-14-4 | 19-Dec-2011 | Not intentionally added |
| 54 | 2-Methoxyaniline o-Anisidine | 201-963-1 | 90-04-0 | 19-Dec-2011 | Not intentionally added |
| 55 | 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 | 19-Dec-2011 | Not intentionally added |
| 56 | Aluminosilicate Refractory Ceramic Fibres | Table 3.2, EC 1272/2008 | N/A | 19-Dec-2011 | Not intentionally added |
| 57 | Arsenic acid | 231-901-9 | 7778-39-4 | 19-Dec-2011 | Not intentionally added |
| 58 | Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 | 19-Dec-2011 | Not intentionally added |
| 59 | Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 | 19-Dec-2011 | Not intentionally added |
| 60 | Calcium arsenate | 231-904-5 | 7778-44-1 | 19-Dec-2011 | Not intentionally added |
| 61 | Dichromium tris(chromate) | 246-356-2 | 24613-89-6 | 19-Dec-2011 | Not intentionally added |
| 62 | Formaldehyde, oligomeric reaction products with aniline | 500-036-1 | 25214-70-4 | 19-Dec-2011 | Not intentionally added |
| 63 | Lead diazide, Lead azide | 236-542-1 | 13424-46-9 | 19-Dec-2011 | Not intentionally added |
| 64 | Lead dipicrate | 229-335-2 | 6477-64-1 | 19-Dec-2011 | Not intentionally added |
| 65 | Lead styphnate | 239-290-0 | 15245-44-0 | 19-Dec-2011 | Not intentionally added |
| 66 | N,N-dimethylacetamide | 204-826-4 | 127-19-5 | 19-Dec-2011 | Not intentionally added |
| 67 | Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 | 19-Dec-2011 | Not intentionally added |
| 68 | Phenolphthalein | 201-004-7 | 77-09-8 | 19-Dec-2011 | Not intentionally added |
| 69 | Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 | 19-Dec-2011 | Not intentionally added |
| 70 | Trilead diarsenate | 222-979-5 | 3687-31-8 | 19-Dec-2011 | Not intentionally added |
| 71 | Zirconia Aluminosilicate Refractory Ceramic Fibres | Table 3.2, EC 1272/2008 | N/A | 19-Dec-2011 | Not intentionally added |
| 72 | [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 | 18-Jun-2012 | Not intentionally added |
| 73 | [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 | 18-Jun-2012 | Not intentionally added |
| 74 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME triglyme) | 203-977-3 | 112-49-2 | 18-Jun-2012 | Not intentionally added |
| 75 | 1,2-dimethoxyethane ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 | 18-Jun-2012 | Not intentionally added |
| 76 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 219-514-3 | 2451-62-9 | 18-Jun-2012 | Not intentionally added |
| 77 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (b-TGIC) | 423-400-0 | 59653-74-6 | 18-Jun-2012 | Not intentionally added |
| 78 | 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 | 18-Jun-2012 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|-------------------------------------|-------------------------------------|----------------|-------------------------|
| 79 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 | 18-Jun-2012 | Not intentionally added |
| 80 | 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)] | 229-851-8 | 6786-83-0 | 18-Jun-2012 | Not intentionally added |
| 81 | Diboron trioxide | 215-125-8 | 1303-86-2 | 18-Jun-2012 | Not intentionally added |
| 82 | Formamide | 200-842-0 | 75-12-7 | 18-Jun-2012 | Not intentionally added |
| 83 | Lead(II) bis(methanesulfonate) | 401-750-5 | 17570-76-2 | 18-Jun-2012 | Not intentionally added |
| 84 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 202-959-2 | 101-61-1 | 18-Jun-2012 | Not intentionally added |
| 85 | [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 | 19-Dec-2012 | Not intentionally added |
| 86 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 284-032-2 | 84777-06-0 | 19-Dec-2012 | Not intentionally added |
| 87 | 1,2-Diethoxyethane | 211-076-1 | 629-14-1 | 19-Dec-2012 | Not intentionally added |
| 88 | 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 | 19-Dec-2012 | Not intentionally added |
| 89 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 | 19-Dec-2012 | Not intentionally added |
| 90 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | N/A | N/A | 19-Dec-2012 | Not intentionally added |
| 91 | 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 | 19-Dec-2012 | Not intentionally added |
| 92 | 4,4'-oxydianiline and its salts | 202-977-0 | 101-80-4 | 19-Dec-2012 | Not intentionally added |
| 93 | 4-Aminoazobenzene | 200-453-6 | 60-09-3 | 19-Dec-2012 | Not intentionally added |
| 94 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 | 19-Dec-2012 | Not intentionally added |
| 95 | 4-Nonylphenol, branched and linear | N/A | N/A | 19-Dec-2012 | Not intentionally added |
| 96 | 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 | 19-Dec-2012 | Not intentionally added |
| 97 | Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 | 19-Dec-2012 | Not intentionally added |
| 98 | Biphenyl-4-ylamine | 202-177-1 | 92-67-1 | 19-Dec-2012 | Not intentionally added |
| 99 | Bis(pentabromophenyl) ether (decabromodiphenyl ether DecaBDE) | 214-604-9 | 1163-19-5 | 19-Dec-2012 | Not intentionally added |
| 100 | Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] | 201-604-9 236-086-3 238-009-9 | 85-42-7 13149-00-3 14166-21-3 | 19-Dec-2012 | Not intentionally added |
| 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 204-650-8 | 123-77-3 | 19-Dec-2012 | Not intentionally added |
| 102 | Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 | 19-Dec-2012 | Not intentionally added |
| 103 | Diethyl sulphate | 200-589-6 | 64-67-5 | 19-Dec-2012 | Not intentionally added |
| 104 | Diisopentylphthalate | 210-088-4 | 605-50-5 | 19-Dec-2012 | Not intentionally added |
| 105 | Dimethyl sulphate | 201-058-1 | 77-78-1 | 19-Dec-2012 | Not intentionally added |
| 106 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 | 19-Dec-2012 | Not intentionally added |
| 107 | Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 | 19-Dec-2012 | Not intentionally added |
| 108 | Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 | 19-Dec-2012 | Not intentionally added |
| 109 | Furan | 203-727-3 | 110-00-9 | 19-Dec-2012 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|---|--|----------------|-------------------------|
| 110 | Henicosafuoroundecanoic acid | 218-165-4 | 2058-94-8 | 19-Dec-2012 | Not intentionally added |
| 111 | Heptacosafuorotetradecanoic acid | 206-803-4 | 376-06-7 | 19-Dec-2012 | Not intentionally added |
| 112 | Hexahydromethylphthalic anhydride [1] Hexahydro-4-methylphthalic anhydride [2] Hexahydro-1-methylphthalic anhydride [3] Hexahydro-3-methylphthalic anhydride [4] 4-methylhexahydrophthalic anhydride | 247-094-1 243-072-0 256-356-4 260-566-1 243-072-0 | 25550-51-0 19438-60-9 48122-14-1 57110-29-9 19438-60-9 | 19-Dec-2012 | Not intentionally added |
| 113 | Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 | 19-Dec-2012 | Not intentionally added |
| 114 | Lead cyanamidate | 244-073-9 | 20837-86-9 | 19-Dec-2012 | Not intentionally added |
| 115 | Lead dinitrate | 233-245-9 | 10099-74-8 | 19-Dec-2012 | Not intentionally added |
| 116 | Lead monoxide (lead oxide) | 215-267-0 | 1317-36-8 | 19-Dec-2012 | Not intentionally added |
| 117 | Lead oxide sulfate | 234-853-7 | 12036-76-9 | 19-Dec-2012 | Not intentionally added |
| 118 | Lead titanium trioxide | 235-038-9 | 12060-00-3 | 19-Dec-2012 | Not intentionally added |
| 119 | Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 | 19-Dec-2012 | Not intentionally added |
| 120 | Methoxyacetic acid | 210-894-6 | 625-45-6 | 19-Dec-2012 | Not intentionally added |
| 121 | Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 | 19-Dec-2012 | Not intentionally added |
| 122 | N,N-dimethylformamide | 200-679-5 | 68-12-2 | 19-Dec-2012 | Not intentionally added |
| 123 | N-methylacetamide | 201-182-6 | 79-16-3 | 19-Dec-2012 | Not intentionally added |
| 124 | N-pentyl-isopentylphthalate | N/A | 776297-69-9 | 19-Dec-2012 | Not intentionally added |
| 125 | o-aminoazotoluene | 202-591-2 | 97-56-3 | 19-Dec-2012 | Not intentionally added |
| 126 | Orange lead (lead tetroxide) | 215-235-6 | 1314-41-6 | 19-Dec-2012 | Not intentionally added |
| 127 | o-Toluidine | 202-429-0 | 95-53-4 | 19-Dec-2012 | Not intentionally added |
| 128 | Pentacosafuorotridecanoic acid | 276-745-2 | 72629-94-8 | 19-Dec-2012 | Not intentionally added |
| 129 | Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 | 19-Dec-2012 | Not intentionally added |
| 130 | Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 | 19-Dec-2012 | Not intentionally added |
| 131 | Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped | 272-271-5 | 68784-75-8 | 19-Dec-2012 | Not intentionally added |
| 132 | Silicic acid, lead salt | 234-363-3 | 11120-22-2 | 19-Dec-2012 | Not intentionally added |
| 133 | Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 | 19-Dec-2012 | Not intentionally added |
| 134 | Tetraethyllead | 201-075-4 | 78-00-2 | 19-Dec-2012 | Not intentionally added |
| 135 | Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 | 19-Dec-2012 | Not intentionally added |
| 136 | Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 | 19-Dec-2012 | Not intentionally added |
| 137 | Trilead bis(carbonate)dihydroxide | 215-290-6 | 1319-46-6 | 19-Dec-2012 | Not intentionally added |
| 138 | Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 | 19-Dec-2012 | Not intentionally added |
| 139 | Cadmium oxide | 215-146-2 | 1306-19-0 | 20-Jun-2013 | Not intentionally added |
| 140 | 4-Nonylphenol, branched and linear, ethoxylated | - | - | 20-Jun-2013 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|------------------------|--------------------------|----------------|-------------------------|
| 141 | Dipentyl phthalate (DPP) | 205-017-9 | 131-18-0 | 20-Jun-2013 | Not intentionally added |
| 142 | PentadecaPerfluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 | 20-Jun-2013 | Not intentionally added |
| 143 | Ammoniumpentadecafluorooctanoate (APFO) | 223-320-4 | 3825-26-1 | 20-Jun-2013 | Not intentionally added |
| 144 | Cadmium | 231-152-8 | 7440-43-9 | 20-Jun-2013 | Not intentionally added |
| 145 | Lead (di) acetate | 206-104-4 | 301-04-2 | 16-Dec-2013 | Not intentionally added |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate), (CI Direct Red 28) | 209-358-4 | 573-58-0 | 16-Dec-2013 | Not intentionally added |
| 147 | Trixylyl phosphate | 246-677-8 | 25155-23-1 | 16-Dec-2013 | Not intentionally added |
| 148 | Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 202-506-9 | 96-45-7 | 16-Dec-2013 | Not intentionally added |
| 149 | Dihexyl phthalate | 201-559-5 | 84-75-3 | 16-Dec-2013 | Not intentionally added |
| 150 | Disodium 4-amino-3'-[[4'-[(2,4-diaminophenyl)azo]][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate, (CI Direct Black 38) | 217-710-3 | 1937-37-7 | 16-Dec-2013 | Not intentionally added |
| 151 | Cadmium sulphide | 215-147-8 | 1306-23-6 | 16-Dec-2013 | Not intentionally added |
| 152 | 1,2-Benzenedicarboxylic acid dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 | 16-Jun-2014 | Not intentionally added |
| 153 | Cadmium chloride | 233-296-7 | 10108-64-2 | 16-Jun-2014 | Not intentionally added |
| 154 | Sodium perborate; perboric acid, sodium salt | 239-172-9 234-390-0 | N/A | 16-Jun-2014 | Not intentionally added |
| 155 | Sodium peroxometaborate | 231-556-4 | 7632-04-4 | 16-Jun-2014 | Not intentionally added |
| 156 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 15571-58-1 | 17-Dec-2014 | Not intentionally added |
| 157 | Cadmium sulphate | 233-331-6 | 10124-36-4 31119-53-6 | 17-Dec-2014 | Not intentionally added |
| 158 | Cadmium fluoride | 232-222-0 | 7790-79-6 | 17-Dec-2014 | Not intentionally added |
| 159 | react 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 (react mass of DOTE and MOTE) | N/A | N/A | 17-Dec-2014 | Not intentionally added |
| 160 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 223-346-6 | 3846-71-7 | 17-Dec-2014 | Not intentionally added |
| 161 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 247-384-8 | 25973-55-1 | 17-Dec-2014 | Not intentionally added |
| 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 ind. Stereoisomers of [1] and [2] or any comb. Thereof] | N/A | N/A | 15-Jun-2015 | Not intentionally added |
| 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 | 68515-51-5 68648-93-1 | 15-Jun-2015 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|-----------|-------------------------------------|----------------|-------------------------|
| 164 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 206-801-3 | 375-95-1 21049-39-8 4149-60-4 | 17-Dec-2015 | Not intentionally added |
| 165 | Nitrobenzene | 202-716-0 | 98-95-3 | 17-Dec-2015 | Not intentionally added |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 | 17-Dec-2015 | Not intentionally added |
| 167 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 | 17-Dec-2015 | Not intentionally added |
| 168 | 1,3-propanesultone | 214-317-9 | 1120-71-4 | 17-Dec-2015 | Not intentionally added |
| 169 | Benzo[def]chrysene | 200-028-5 | 50-32-8 | 20-Jun-2016 | Not intentionally added |
| 170 | 4,4'-isopropylidenediphenol | 201-245-8 | 80-05-7 | 12-Jan-2017 | Not intentionally added |
| 171 | 4-Heptylphenol, branched and linear; substances with a linear and/or branched alkyl chain w/ carbon number of 7 covalently bound predominantly in position 4 to phenol, covering UVCB- and the individual isomers or a combination thereof | N/A | N/A | 12-Jan-2017 | Not intentionally added |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | - | - | 12-Jan-2017 | Not intentionally added |
| | Nonadecafluorodecanoic acid | 206-400-3 | 335-76-2 | | |
| | Ammonium nonadecafluorodecanoate | 221-470-5 | 3108-42-7 | | |
| | Decanoic acid, nonadecafluoro-, sodium salt | - | 3830-45-3 | | |
| 173 | p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 | 12-Jan-2017 | Not intentionally added |
| 174 | Perfluorohexane-1-sulphonic acid and its salts | N/A | N/A | 7-Jul-2017 | Not intentionally added |
| 175 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | N/A | N/A | 15-Jan-2018 | Not intentionally added |
| 176 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene ("Dechlorane Plus" [™]) | 236-948-9 | 13560-89-9 | 15-Jan-2018 | Not intentionally added |
| 177 | Chrysene | 205-923-4 | 218-01-9 1719-03-5 | 15-Jan-2018 | Not intentionally added |
| 178 | Cadmium nitrate | 233-710-6 | 10022-68-1 10325-94-7 | 15-Jan-2018 | Not intentionally added |
| 179 | Cadmium hydroxide | 244-168-5 | 21041-95-2 | 15-Jan-2018 | Not intentionally added |
| 180 | Cadmium carbonate | 208-168-9 | 513-78-0 | 15-Jan-2018 | Not intentionally added |
| 181 | Benz[a]anthracene | 200-280-6 | 56-55-3 1718-53-2 | 15-Jan-2018 | Not intentionally added |
| 182 | Dicyclohexyl phthalate (DCHP) | 201-545-9 | 84-61-7 | 24-Jun-2018 | Not intentionally added |
| 183 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) | 209-008-0 | 552-30-7 | 24-Jun-2018 | Not intentionally added |
| 184 | Ethylenediamine (EDA) | 203-468-6 | 107-15-3 | 24-Jun-2018 | Not intentionally added |
| 185 | Terphenyl hydrogenated | 262-967-7 | 61788-32-7 | 24-Jun-2018 | Not intentionally added |
| 186 | Benzo[ghi]perylene | 205-883-8 | 191-24-2 | 24-Jun-2018 | Not intentionally added |
| 187 | Disodium octaborate | 234-541-0 | 12008-41-2 | 24-Jun-2018 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|---|--------------------------------------|---------------------------------------|----------------|-------------------------|
| 188 | Lead | 231-100-4 | 7439-92-1 | 24-Jun-2018 | Not intentionally added |
| 189 | Dodecamethylcyclhexasiloxane (D6) | 208-762-8 | 540-97-6 | 24-Jun-2018 | Not intentionally added |
| 190 | Decamethylcyclopentasiloxane (D5) | 208-764-9 | 541-02-6 | 24-Jun-2018 | Not intentionally added |
| 191 | Octamethylcyclotetrasiloxane (D4) | 209-136-7 | 556-67-2 | 24-Jun-2018 | Not intentionally added |
| 192 | Pyrene | 204-927-3 | 129-00-0 1718-52-1 | 15-Jan-2019 | Not intentionally added |
| 193 | Phenanthrene | 201-581-5 | 85-01-8 | 15-Jan-2019 | Not intentionally added |
| 194 | Fluoranthene | 205-912-4 | 206-44-0 93951-69-0 | 15-Jan-2019 | Not intentionally added |
| 195 | Benzo[k]fluoranthene | 205-916-6 | 207-08-9 | 15-Jan-2019 | Not intentionally added |
| 196 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 401-720-1 | 6807-17-6 | 15-Jan-2019 | Not intentionally added |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC) | 239-139-9 | 15087-24-8 | 15-Jan-2019 | Not intentionally added |
| 198 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | N/A | N/A | 16-Jul-2019 | Not intentionally added |
| 199 | 4-tert-butylphenol | 202-679-0 | 98-54-4 | 16-Jul-2019 | Not intentionally added |
| 200 | 2-methoxyethyl acetate | 203-772-9 | 110-49-6 | 16-Jul-2019 | Not intentionally added |
| 201 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides | N/A | N/A | 16-Jul-2019 | Not intentionally added |
| 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 404-360-3 | 119313-12-1 | 16-Jan-2020 | Not intentionally added |
| 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 400-600-6 | 71868-10-5 | 16-Jan-2020 | Not intentionally added |
| 204 | Diisohexyl phthalate | 276-090-2 | 71850-09-4 | 16-Jan-2020 | Not intentionally added |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | N/A | N/A | 16-Jan-2020 | Not intentionally added |
| 206 | 1-vinylimidazole | 214-012-0 | 1072-63-5 | 25-Jun-2020 | Not intentionally added |
| 207 | 2-methylimidazole | 211-765-7 | 693-98-1 | 25-Jun-2020 | Not intentionally added |
| 208 | butyl 4-hydroxybenzoate | 202-318-7 | 94-26-8 | 25-Jun-2020 | Not intentionally added |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 245-152-0 | 22673-19-4 | 25-Jun-2020 | Not intentionally added |
| 210 | Bis(2-(2-methoxyethoxy)ethyl)ether | 205-594-7 | 143-24-8 | 19-Jan-2021 | Not intentionally added |
| 211 | Diethyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. Stannane, dioctyl-, bis(coco acyloxy) derivs. Diethyltin dilaurate | N/A N/A 293-901-5 222-883-3 | N/A N/A 91648-39-4 3648-18-8 | 19-Jan-2021 | Not intentionally added |
| 212 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | N/A | N/A | 8-Jul-2021 | Not intentionally added |
| 213 | Orthoboric acid, sodium salt | 237-560-2 | 13840-56-7 | 8-Jul-2021 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|---|--|----------------|-------------------------|
| 214 | 2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | 221-967-7 253-057-0 202-480-9 | 3296-90-0 36483-57-5 1522-92-5 96-13-9 | 8-Jul-2021 | Not intentionally added |
| 215 | Glutaral | 203-856-5 | 111-30-8 | 8-Jul-2021 | Not intentionally added |
| 216 | Medium-chain chlorinated paraffins (MCCP) | N/A | N/A | 8-Jul-2021 | Not intentionally added |
| 217 | Phenol, alkylatio products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomer and/or combinations threof (PDDP) | N/A | N/A | 8-Jul-2021 | Not intentionally added |
| 218 | 1,4-dioxane | 204-661-8 | 123-91-1 | 8-Jul-2021 | Not intentionally added |
| 219 | 4,4'-(1-methylpropylidene)bisphenol | 201-025-1 | 77-40-7 | 8-Jul-2021 | Not intentionally added |
| 220 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 204-327-1 | 119-47-1 | 17-Jan-2022 | Not intentionally added |
| 221 | tris(2-methoxyethoxy)vinylsilane | 213-934-0 | 1067-53-4 | 17-Jan-2022 | Not intentionally added |
| 222 | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | - | - | 17-Jan-2022 | Not intentionally added |
| 223 | S-(tricyclo(5.2.1.0 _{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 401-850-9 | 255881-94-8 | 17-Jan-2022 | Not intentionally added |
| 224 | N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 | 10-Jun-2022 | Not intentionally added |
| 225 | Barium diboron tetraoxide | 237-222-4 | 13701-59-2 | 17-Jan-2023 | Not intentionally added |
| 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 201-236-9 | 79-94-7 | 17-Jan-2023 | Not intentionally added |
| 227 | Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate Potassium perfluoroheptanoate Perfluoroheptanoic acid Sodium perfluoroheptanoate | - 228-098-2 - 206-798-9 243-518-4 | - 130-4-4 21049-36-5 375-85-9 20109-59-5 | 17-Jan-2023 | Not intentionally added |
| 228 | Melamine | 203-615-4 | 108-78-1 | 17-Jan-2023 | Not intentionally added |
| 229 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | 473-390-7 | - | 17-Jan-2023 | Not intentionally added |
| 230 | Isobutyl 4-hydroxybenzoate | 224-208-8 | 4247-02-3 | 17-Jan-2023 | Not intentionally added |
| 231 | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate | - 247-426-5 | - 26040-51-7 | 17-Jan-2023 | Not intentionally added |
| 232 | 4,4'-sulphonyldiphenol | 201-250-5 | 80-09-1 | 17-Jan-2023 | Not intentionally added |
| 233 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] | 253-692-3 | 37853-59-1 | 17-Jan-2023 | Not intentionally added |
| 234 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 278-355-8 | 75980-60-8 | 14-Jun-2023 | Not intentionally added |
| 235 | Bis(4-chlorophenyl) sulphone | 201-247-9 | 80-07-9 | 14-Jun-2023 | Not intentionally added |

| Item | Substance | EC Number | CAS Number | Inclusion Date | Concentration |
|------|--|-------------------------------------|-------------|----------------|-------------------------|
| 236 | Phenol, methylstyrenated | 270-966-8 | 68512-30-1 | 23-Jan-2024 | Not intentionally added |
| 237 | Bumetrizole (UV-326) | 223-445-4 | 3896-11-5 | 23-Jan-2024 | Not intentionally added |
| 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 438-340-0 | 119344-86-4 | 23-Jan-2024 | Not intentionally added |
| 239 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 221-573-5 | 3147-75-9 | 23-Jan-2024 | Not intentionally added |
| 240 | 2,4,6-tri-tert-butylphenol | 211-989-5 211-989-5 211-989-5 | 732-26-3 | 23-Jan-2024 | Not intentionally added |
| 241 | Bis (1-methyl-1-phenylethyl) peroxide, Bis(α,α-dimethylbenzyl) peroxide | 201-279-3 | 80-43-3 | 27-Jun-2024 | Not intentionally added |

REACH Shipping and Packaging Content Declaration

As required by the European Chemical Agency (ECHA), shipping and packaging materials used to ship these Products have been reviewed and determined not to contain SVHCs, except that a humidity indicator card and/or indicating silica gel packet may have been included in each shipment prior to November 1, 2009, and if included, the humidity indicating material contained cobalt dichloride at greater than 0.1% by weight.



Eric Younger

Regulatory Compliance Specialist

Telephone: +1 984-329-8752

eric.younger@cree-led.com

This certification is considered to be part of Cree LED's product specifications and only applies to the product compliance with REACH. Additional restrictions and/or controls relating to these or other substances and materials enacted by these or other governing bodies are outside the scope of this certification. No additional certifications, expressions of risk or liability, or further declarations are made, expressed or implied. No warranty is expressed or implied regarding the accuracy of any information provided by third party suppliers in support of this certification. The recipient or end user of this data is responsible for determining the applicability of this data to their specific use. Cree reserves the right to modify or rescind this declaration with respect to products not yet ordered.