



REACH Substances of Very High Concern Declaration

We certify that the products we supply **DO NOT CONTAIN** any of the substances on the list of SVHC (REACH SVHC List below) in a concentration greater than 0.1% weight by weight of any article.

REACH SVHC List

| No. | Substances | CAS No. | EC No. |
|-----|---|--------------------------|------------------------|
| 1 | Anthracene | 120-12-7 | 204-371-1 |
| 2 | 4,4'-Diaminodiphenylmethane | 101-77-9 | 202-974-4 |
| 3 | Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 |
| 4 | Cobalt dichloride | 7646-79-9 | 231-589-4 |
| 5 | Diarsenic pentaoxide | 1303-28-2 | 215-116-9 |
| 6 | Diarsenic trioxide | 1327-53-3 | 215-481-4 |
| 7 | Sodium dichromate, dihydrate | 7789-12-0 | 234-190-3 |
| 8 | 5-tert-butyl-2,4,6-trinitrom-xylene (musk xylene) | 81-15-2 | 201-329-4 |
| 9 | Bis(2-ethyl(hexyl)phthalate) (DEHP) | 117-81-7 | 204-211-0 |
| 10 | Hexabromocyclododecane (HBCDD) | 25637-99-4 | 247-148-4 |
| 11 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 | 287-476-5 |
| 12 | Bis(tributyltin)oxide | 56-35-9 | 200-268-0 |
| 13 | Lead hydrogen arsenate | 7784-40-9 | 232-064-2 |
| 14 | Triethyl arsenate | 15606-95-8 | 427-700-2 |
| 15 | Benzyl butyl phthalate | 85-68-7 | 201-622-7 |
| 16 | 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 |
| 17 | Anthracene oil | 90640-80-5 | 292-602-7 |
| 18 | Anthracene oil, anthracene paste, distn. Lights | 91995-17-4 | 295-278-5 |
| 19 | Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 |
| 20 | Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 |
| 21 | Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 |
| 22 | Acrylamide | 79-06-1 | 201-173-7 |
| 23 | Lead chromate | 7758-97-6 | 231-846-0 |
| 24 | C.I. Pigment red 104 | 12656-85-8 | 235-759-9 |
| 25 | C.I. Pigment yellow 34 | 1344-37-2 | 215-693-7 |
| 26 | Aluminosilicate, Refractory Ceramic Fibres | Index No. 650-017-00-8 | |
| 27 | Zirconia Aluminosilicate, Refractory Ceramic Fibres | Index No. 650-017-00-8 | |
| 28 | Diisobutyl phthalate | 84-69-5 | 201-553-2 |
| 29 | Tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 |
| 30 | Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 |
| 31 | Ammonium Dichromate | 7789-09-5 | 232-143-1 |
| 32 | Boric Acid | 10043-35-3 11113-50-1 | 234-343-4 233-139-2 |
| 33 | Disodium Tetraborate Anhydrous | 1330-43-4 | 215-540-4 |
| 34 | Potassium Chromate | 7789-00-6 | 232-140-5 |
| 35 | Potassium Dichromate | 7778-50-9 | 231-906-6 |
| 36 | Sodium Chromate | 7775-11-3 | 231-889-5 |
| 37 | Tetraboron Disodium Heptaoxide, Hydrate | 12267-73-1 | 235-541-3 |
| 38 | Trichloroethylene | 79-01-6 | 201-167-4 |
| 39 | Cobalt(II) sulphate | 10124-43-3 | 233-334-2 |
| 40 | Cobalt(II) dinitrate | 10141-05-6 | 233-402-1 |
| 41 | Cobalt (II) carbonate | 513-79-1 | 208-169-4 |

| | | | |
|----|--|-------------------------|------------------------|
| 42 | Cobalt(II) diacetate | 71-48-7 | 200-755-8 |
| 43 | 2-Methoxyethanol | 109-86-4 | 203-713-7 |
| 44 | 2-Ethoxyethanol | 110-80-5 | 203-804-1 |
| 45 | Chromium trioxide | 1333-82-0 | 215-607-8 |
| 46 | Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 |
| 47 | 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 |
| 48 | strontium chromate | 7789-06-2 | 232-142-6 |
| 49 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 |
| 50 | Hydrazine | 302-01-2 and 7803-57-8 | 206-114-9 |
| 51 | 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 |
| 52 | 1,2,3-trichloropropane | 96-18-4 | 202-486-1 |
| 53 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 |
| 54 | Lead styphnate | 15245-44-0 | 239-290-0 |
| 55 | Lead diazide, Lead azide | 13424-46-9 | 236-542-1 |
| 56 | Lead dipicrate | 6477-64-1 | 229-335-2 |
| 57 | Phenolphthalein | 77-09-8 | 201-004-7 |
| 58 | 2,2'-Dichloro-4,4'-methylenedianiline | 101-14-4 | 202-918-9 |
| 59 | N,N-dimethylacetamide | 127-19-5 | 204-826-4 |
| 60 | Trilead diarsenate | 3687-31-8 | 222-979-5 |
| 61 | Calcium arsenate | 7778-44-1 | 231-904-5 |
| 62 | Arsenic acid | 7778-39-4 | 231-901-9 |
| 63 | Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 |
| 64 | 1,2-Dichloroethane | 107-06-2 | 203-458-1 |
| 65 | 4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol | 140-66-9 | 205-426-2 |
| 66 | 2-Methoxyaniline; o-Anisidine | 90-04-0 | 201-963-1 |
| 67 | Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 |
| 68 | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | 500-036-1 |
| 69 | Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 |
| 70 | Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | 234-329-8 |
| 71 | Dichromium tris(chromate) | 24613-89-6 | 246-356-2 |
| 72 | [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)] | 548-62-9 | 208-953-6 |
| 73 | 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 | 423-400-0 |
| 74 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 |
| 75 | 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)] | 561-41-1 | 209-218-2 |
| 76 | Lead(II) bis(methanesulfonate) | 17570-76-2 | 401-750-5 |
| 77 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 |
| 78 | Diboron trioxide | 1303-86-2 | 215-125-8 |
| 79 | 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 | 229-851-8 |
| 80 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 2451-62-9 | 219-514-3 |
| 81 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 |
| 82 | [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)] | 2580-56-5 | 219-943-6 |
| 83 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 |
| 84 | Formamide | 75-12-7 | 200-842-0 |
| 85 | Bis(pentabromophenyl) ether (DecaBDE) | 1163-19-5 | 214-604-9 |
| 86 | Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 |
| 87 | Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 |

| | | | |
|-----|--|---|---|
| 88 | Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 |
| 89 | Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 |
| 90 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - [covering well-defined substances and UVCB substances, polymers and homologues] | | --- |
| 91 | 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] | | --- |
| 92 | Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 |
| 93 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) | 85-42-7 | 201-604-9 |
| 94 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 |
| 95 | Methoxy acetic acid | 625-45-6 | 210-894-6 |
| 96 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 |
| 97 | Diisopentylphthalate (DIPP) | 605-50-5 | 210.088-4 |
| 98 | N-pentyl-isopentylphthalate | 776297-69-9 | ---- |
| 99 | 1,2-Diethoxyethane | 629-14-1 | 211-076-1 |
| 100 | N,N-dimethylformamide; dimethyl formamide | 68-12-2 | 200-679-5 |
| 101 | Dibutyltin dichloride (DBT) | 683-18-1 | 211-670-0 |
| 102 | Acetic acid, lead salt, basic | 51404-69-4 | 257-175-3 |
| 103 | Basic lead carbonate (trileadbis(carbonate)dihydroxide) | 1319-46-6 | 215-290-6 |
| 104 | Lead oxide sulfate (basic lead sulfate) | 12036-76-9 | 234-853-7 |
| 105 | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate) | 69011-06-9 | 273-688-5 |
| 106 | Dioxobis(stearato)trilead | 12578-12-0 | 235-702-8 |
| 107 | Fatty acids, C16-18, lead salts | 91031-62-8 | 292-966-7 |
| 108 | Lead bis(tetrafluoroborate) | 13814-96-5 | 237-486-0 |
| 109 | Lead cyanamide | 20837-86-9 | 244-073-9 |
| 110 | Lead dinitrate | 10099-74-8 | 233-245-9 |
| 111 | Lead oxide (lead monoxide) | 1317-36-8 | 215-267-0 |
| 112 | Lead tetroxide (orange lead) | 1314-41-6 | 215-235-6 |
| 113 | Lead titanium trioxide | 12060-00-3 | 235-038-9 |
| 114 | Lead Titanium Zirconium Oxide | 12626-81-2 | 235-727-4 |
| 115 | Pentalead tetraoxide sulphate | 12065-90-6 | 235-067-7 |
| 116 | Pyrochlore, antimony lead yellow | 8012-00-8 | 232-382-1 |
| 117 | Silicic acid, barium salt, lead-doped | 68784-75-8 | 272-271-5 |
| 118 | Silicic acid, lead salt | 11120-22-2 | 234-363-3 |
| 119 | Sulfurous acid, lead salt, dibasic | 62229-08-7 | 263-467-1 |
| 120 | Tetraethyllead | 78-00-2 | 201-075-4 |
| 121 | Tetralead trioxide sulphate | 12202-17-4 | 235-380-9 |
| 122 | Trilead dioxide phosphonate | 12141-20-7 | 235-252-2 |
| 123 | Furan | 110-00-9 | 203-727-3 |
| 124 | Propylene oxide; 1,2-epoxypropane; methyloxirane | 75-56-9 | 200-879-2 |
| 125 | Diethyl sulphate | 64-67-5 | 200-589-6 |
| 126 | Dimethyl sulphate | 77-78-1 | 201-058-1 |
| 127 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 |
| 128 | Dinoseb | 88-85-7 | 201-861-7 |
| 129 | 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 |
| 130 | 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 |
| 131 | 4-Aminoazobenzene; 4-Phenylazoaniline | 60-09-3 | 200-453-6 |
| 132 | 4-methyl-m-phenylenediamine (2,4-toluene-diamine) | 95-80-7 | 202-453-1 |
| 133 | 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 |
| 134 | Biphenyl-4-ylamine | 92-67-1 | 202-177-1 |

| | | | |
|-----|---|-------------------------------------|-----------------------------|
| 135 | o-aminoazotoluene | 97-56-3 | 202-591-2 |
| 136 | o-Toluidine; 2-Aminotoluene | 95-53-4 | 202-429-0 |
| 137 | N-methylacetamide | 79-16-3 | 201-182-6 |
| 138 | 1-bromopropane; n-propyl bromide | 106-94-5 | 203-445-0 |
| 139 | Cadmium | 7440-43-9 | 231-152-8 |
| 140 | Cadmium oxide | 1306-19-0 | 215-146-2 |
| 141 | Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 |
| 142 | Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 |
| 143 | Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 |
| 144 | 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] | | |
| 145 | Cadmium sulphide | 1306-23-6 | 215-147-8 |
| 146 | Dihexyl phthalate | 84-75-3 | 201-559-5 |
| 147 | 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 |
| 148 | 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 |
| 149 | Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 |
| 150 | Lead di(acetate) | 301-04-2 | 206-104-4 |
| 151 | Trixylyl phosphate | 25155-23-1 | 246-677-8 |
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 |
| 153 | Sodium perborate; perboric acid, sodium salt | 15120-21-5 | 239-172-9; 234-390-0 |
| 154 | Sodium peroxometaborate | 7632-04-4 | 231-556-4 |
| 155 | Cadmium chloride | 10108-64-2 | 233-296-7 |
| 156 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 |
| 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 |
| 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 239-622-4 |
| 159 | Cadmium fluoride | 7790-79-6 | 232-222-0 |
| 160 | Cadmium sulphate | 10124-36-4,31119-53-6 | 233-331-6 |
| 161 | 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) | | |
| 162 | 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 |
| 163 | 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] | | |
| 164 | Nitrobenzene | 98-95-3 | 202-716-0 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 |
| 167 | 1,3-propanesultone | 1120-71-4 | 214-317-9 |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 |
| 169 | Benzo(def)chrysene | 50-32-8 | 200-028-5 |
| 170 | 4,4-isopropylidenediphenol (Bisphenol A; BPA) | 80-05-7 | 201-245-8 |
| 171 | 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) | | |
| 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 335-76-2 3108-42-7 3830-45-3 | 206-400-3 221-470-5 - |

| | | | |
|-----|--|--------------------------|-----------|
| 173 | p-(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 |
| 174 | Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | 355-46-4 | 206-587-1 |
| 175 | Reaction products of 1,3,4-thiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | - | - |
| 176 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) | - | - |
| 177 | Chrysene | 218-01-9 1719-03-5 | 205-923-4 |
| 178 | Cadmium nitrate | 10022-68-1 10325-94-7 | 233-710-6 |
| 179 | Cadmium hydroxide | 21041-95-2 | 244-168-5 |
| 180 | Cadmium carbonate | 513-78-0 | 208-168-9 |
| 181 | Benz[a]anthracene | 56-55-3 1718-53-2 | 200-280-6 |
| 182 | Octamethylcyclotetrasiloxane (D4) | 556-67-2 | 209-136-7 |
| 183 | Decamethylcyclopentasiloxane (D5) | 541-02-6 | 208-764-9 |
| 184 | Dodecamethylcyclohexasiloxane (D6) | 540-97-6 | 208-762-8 |
| 185 | Lead | 7439-92-1 | 231-100-4 |
| 186 | Disodium octaborate | 12008-41-2 | 234-541-0 |
| 187 | Benzo[ghi]perylene | 191-24-2 | 205-883-8 |
| 188 | Terphenyl hydrogenated | 61788-32-7 | 262-967-7 |
| 189 | Ethylenediamine (EDA) | 107-15-3 | 203-468-6 |
| 190 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) | 552-30-7 | 209-008-0 |
| 191 | Dicyclohexyl phthalate (DCHP) | 84-61-7 | 201-545-9 |
| 192 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentance | 6807-17-6 | 401-720-1 |
| 193 | Benzo[k]fluoranthene | 207-08-9 | 205-916-6 |
| 194 | Fluoranthene | 206-44-0 | 205-912-4 |
| 195 | Phenanthrene | 85-01-8 | 201-581-5 |
| 196 | Pyrene | 129-00-0 | 204-927-3 |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicycol[2.2.1]heptan-2-one | 15087-24-8 | 239-139-9 |
| 198 | 2-methoxyethyl acetate | 110-49-6 | 203-772-9 |



| | | | |
|-----|--|-------------|-----------|
| 199 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | - | - |
| 200 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | - | - |
| 201 | 4-tert-butylphenol | 98-54-4 | 202-679-0 |
| 202 | Diisohexyl phthalate | 71850-09-4 | 276-090-2 |
| 203 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | 404-360-3 |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | 400-600-6 |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | - | - |

A duly authorized representative whom is invested with requisite to bind ECS, Inc. in this matter executes this declaration. Electronic signatures, including facsimile signatures, shall be treated as original signature for necessary purposes.

ECS, Inc. International

By: *AJ Anderson*
Title: Engineering Support Tech

Date: Tuesday, January 21, 2020