



ATLAS WIRE, LLC
9525 RIVER STREET
SCHILLER PARK, ILLINOIS 60176
(847) 678-1210
(847) 678-1281 FAX
www.atlaswirecorp.com



Atlas Wire, LLC
Registered to ISO9001 and TS16949
Schiller Park, IL 60176
Reference No. 10000854
Tucson, AZ 85714
Reference No. 10003647

March 3, 2017

SUBJECT: European Chemicals Agency (ECHA) candidate list of Substances of Very High Concern (SVHC) as updated 01/12/2017

In regards to the EU's REACH directive and the ECHA candidate list of Substances of Very High Concern (SVHC's) published on October 28, 2008 and amended January 2010, March 2010, December 2010, June 2011, December 2011, June 2012, December 2012, June 2013, December 2013, June 2014, December 2014, June 2015, December 2015, June 2016, and January 2017 (list of original and amended additions attached).

Atlas Wire Corporation has reviewed chemical breakdown reports and certifications from our suppliers to confirm that none of the SVHC's are intentionally added to our raw materials. Atlas Wire Corporation confirms that we do not intentionally add any of the SVHC's to our products. Additionally, to the best of our knowledge, our products do not contain any of the substances of very high concern above the 0.1% threshold by weight.

If you have any questions, or require further information, please contact me at your convenience.

Sincerely,

Bruce Leska
President
Atlas Wire, LLC
bleska@atlaswirecorp.com

| SVHC Original List - 28 OCTOBER 2008 | CAS Number | EC Number |
|--|---|------------------|
| Anthracene | 120-12-7 | 204-371-3 |
| 4,4'- Diaminodiphenylmethane (MDA) priority for Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 24 ; Sunset date: 42 | 101-77-9 | 202-974-6 |
| Dibutyl phthalate (DBP) priority for Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 30 ; Sunset date: 48 | 84-74-2 | 201-557-6 |
| Cyclododecane | 294-62-2 | 206-33-9 |
| Cobalt dichloride | 7646-79-9 | 231-589-4 |
| Diarsenic pentaoxide | 1303-28-2 | 215-116-9 |
| Diarsenic trioxide | 1327-53-3 | 215-481-4 |
| Sodium dichromate, dihydrate | 7789-12-0 | 234-190-3 |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) priority of Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 24 ; Sunset date: 42 | 81-15-2 | 201-329-6 |
| Bis (2-ethyl(hexyl)phthalate) (DEHP) priority of Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 30 ; Sunset date: 48 | 117-81-7 | 204-211-2 |
| Hexabromocyclododecane (HBCDD) priority of Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 27 ; Sunset date: 45 | 25637-99-4, 3194-55-6, 134237-50-6, 134237- 51-7, 134237-52-8 | 247-148-6 |
| Alkanes, C10-13, chloro (SCCPs - Short Chain Chlorinated Paraffins) priority of Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 27 ; Sunset date: 45 | 85535-84-8 | 287-476-7 |
| Bis(tributyltin)oxide | 56-35-9 | 200-268-2 |
| Lead hydrogen arsenate | 7784-40-9 | 232-064-4 |
| Triethyl arsenate | 15606-95-8 | 427-700-4 |
| Benzyl butyl phthalate (BBP) priority of Annex XIV / List of Substance Subject to Authorization Additional months to the Last application: 30 ; Sunset date: 48 | 85-68-7 | 201-622-9 |
| | | |
| SVHC Additions - 13 JANUARY 2010 | CAS Number | EC Number |
| Anthracene oil | 90640-80-5 | 292-602-7 |
| Anthracene oil, anthracene paste, distn. lights (Light fractions from distillation) | 91995-17-4 | 295-278-5 |
| Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 |
| Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 |

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| Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 |
| Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 |
| Acrylamide | 79-06-1 | 201-173-7 |
| Aluminosilicate, Refractory Ceramic Fibres | none | 650-017-00-8 |
| Zirconia Aluminosilicate, Refractory Ceramic Fibres | none | 650-017-00-8 |
| 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 |
| Diisobutyl phthalate | 84-69-5 | 201-553-2 |
| Lead chromate | 7758-97-6 | 231-846-0 |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 | 215-693-7 |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 |
| Tris(2-chloroethyl)phosphate | 115-96-8 | 204-118-5 |
| | | |
| SVHC Additions - 8 MARCH 2010 | CAS Number | EC Number |
| Trichloroethylene | 79-01-6 | 201-167-4 |
| Boric acid | 10043-35-3 / 11113-50-1 | 233-139-2 / 234-343-4 |
| Disodium tetraborate, anhydrous | 1330-43-4 / 12179-04-3 / 1303-96-4 | 215-540-4 |
| Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | 235-541-3 |
| Sodium chromate | *7775-11-3 | 231-889-5 |
| Potassium chromate | 7789-00-6 | 232-140-5 |
| Ammonium dichromate | *7789-09-5 | 232-143-1 |
| Potassium dichromate | 7778-50-9 | 231-906-6 |
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| SVHC Additions - DECEMBER 2010 | CAS Number | EC Number |
| 2-Ethoxyethanol | 110-80-5 | 203-804-1 |
| 2-Methoxyethanol | 109-86-4 | 203-713-7 |
| Cobalt di(acetate) | 71-48-7 | 200-755-8 |
| Cobalt (II) carbonate | 513-79-1 | 208-169-4 |
| Cobalt dinitrate | 10141-05-6 | 233-402-1 |
| Cobalt (II) sulphate | 10124-43-3 | 233-334-2 |
| Chromium trioxide | 215-607-8 | 1333-82-0 |
| Acids generated from chromium trioxide and their oligomers: Chromic acid 1) Dichromic acid 2) | 1) 231-801-5 2) 236-881-5 | 1) 7738-94-5 2) 13530-68-2 |
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| SVHC Additions - JUNE 2011 | CAS Number | EC Number |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | 71888-89-6 | 276-158-1 |
| 1,2,3-trichloropropane | 96-18-4 | 202-486-1 |
| N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 |
| Hydrazine | 7803-57-8 , 302-01-2 | 206-114-9 |

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| Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4 | 271-084-6 |
| 2-Ethoxyethyl acetate | 111-15-9 | 203-839-2 |
| Cobalt dichloride | 7646-79-9 | 231-589-4 |
| Strontium chromate | 7789-06-2 | 232-142-6 |
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| SVHC Additions - December 2011 | CAS Number | EC Number |
| Lead dipicrate | 6477-64-1 | 229-335-2 |
| Lead styphnate | 15245-44-0 | 239-290-0 |
| Lead diazide | 13424-46-9 | 236-542-1 |
| Phenolphthalein | 77-09-8 | 201-004-7 |
| 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 |
| N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 |
| trilead diarsenate | 3687-31-8 | 222-979-5 |
| calcium arsenate | 7778-44-1 | 231-904-5 |
| arsenic acid | 7778-39-4 | 231-901-9 |
| bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 |
| 1,2-Dichloroethane | 107-06-2 | 203-458-1 |
| 4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) | 140-66-9 | 205-426-2 |
| 2-Methoxyaniline o-Anisidine | 90-04-0 | 201-963-1 |
| Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 |
| Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 25214-70-4 | 500-036-1 |
| Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) | | |
| Aluminosilicate Refractory Ceramic Fibres (RCF) | | |
| Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 |
| Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | 234-329-8 |
| Dichromium tris(chromate) | 24613-89-6 | 246-356-2 |
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| SVHC Additions - June 2012 | CAS Number | EC Number |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [<i>with</i> ≥ 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 |
| Formamide | 75-12-7 | 200-842-0 |
| Diboron trioxide | 1303-86-2 | 215-125-8 |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 |
| Lead(II) bis(methanesulfonate) | 17570-76-2 | 401-750-5 |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 |

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| α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [<i>with</i> $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202- 959-2)] | 6786-83-0 | 229-851-8 |
| [4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5- dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [<i>with</i> $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959- 2)] | 2580-56-5 | 219-943-6 |
| 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)-4''-(methylamino)trityl alcohol [<i>with</i> $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 561-41-1 | 209-218-2 |
| 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 (β -TGIC) | 59653-74-6 | 423-400-0 |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 |
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| SVHC Additions - December 2012 | CAS Number | EC Number |
| N-pentyl-isopentylphthalate | 776297-69-9 | - none given |
| Orange lead (lead tetroxide) | 1314-41-6 | 215-235-6 |
| 4-Aminoazobenzene | 60-09-3 | 200-453-6 |
| 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 |
| Dimethyl sulphate | 77-78-1 | 201-058-1 |
| Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 |
| Lead titanium zirconium oxide | 12626-81-2 | 235-727-4 |
| Sulfurous acid, lead salt, dibasic | 62229-08-7 | 263-467-1 |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - none given | - none given |
| 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 |
| 1,2-Diethoxyethane | 629-14-1 | 211-076-1 |
| 1-bromopropane (n-propyl bromide) | 106-94-5 | 203-445-0 |
| Acetic acid, lead salt, basic | 51404-69-4 | 257-175-3 |
| Dioxobis(stearato)trilead | 12578-12-0 | 235-702-8 |
| Lead bis(tetrafluoroborate) | 13814-96-5 | 237-486-0 |
| Lead dinitrate | 10099-74-8 | 233-245-9 |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 1163-19-5 | 214-604-9 |
| Pentalead tetraoxide sulphate | 12065-90-6 | 235-067-7 |

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| Silicic acid, lead salt | 11120-22-2 | 234-363-3 |
| Biphenyl-4-ylamine | 92-67-1 | 202-177-1 |
| o-Toluidine | 95-53-4 | 202-429-0 |
| Silici 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 |
| N-methylacetamide | 79-16-3 | 201-182-6 |
| Pyrochlore, antimony lead yellow | 8012-00-8 | 232-382-1 |
| Lead monoxide (lead oxide) | 1317-36-8 | 215-267-0 |
| Tetralead trioxide sulphate | 12202-17-4 | 235-380-9 |
| Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [<i>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</i>] | 85-42-7, 13149-00-3, 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 |
| Trilead bis(carbonate)dihydroxide | 1319-46-6 | 215-290-6 |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 |
| [Phthalato(2-)]dioxotrilead | 69011-06-9 | 273-688-5 |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 |
| N,N-dimethylformamide | 68-12-2 | 200-679-5 |
| Tetraethyllead | 78-00-2 | 201-075-4 |
| 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 |
| 4-Nonylphenol, branched and linear [<i>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</i>] | - none given | - none given |
| Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 |
| Fatty acids, C16-18, lead salts | 91031-62-8 | 292-966-7 |
| Lead oxide sulfate | 12036-76-9 | 234-853-7 |
| Methoxyacetic acid | 625-45-6 | 210-894-6 |
| 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 |
| Furan | 110-00-9 | 203-727-3 |
| Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 |
| Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 |
| Diisopentylphthalate | 605-50-5 | 210-088-4 |

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| Lead cyanamidate | 20837-86-9 | 244-073-9 |
| Dibutyltin dichloride (DBTC) | 683-18-1 | 211-670-0 |
| Diethyl sulphate | 64-67-5 | 200-589-6 |
| Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [<i>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</i>] | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 |
| Lead titanium trioxide | 12060-00-3 | 235-038-9 |
| SVHC Additions - June 2013 | | |
| | CAS Number | EC Number |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 |
| Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 223-320-4 |
| Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 |
| Cadmium | 7440-43-9 | 231-152-8 |
| 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] | - none given | - none given |
| Cadmium oxide | 1306-19-0 | 215-146-2 |
| SVHC Additions - December 2013 | | |
| | CAS Number | EC Number |
| Cadmium Sulphide | 1306-23-6 | 215-147-8 |
| Dihexyl Phthalate | 84-75-3 | 201-559-5 |
| Disodium 3,3-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(9-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-y]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate C.I.Direct BLACK 38 | 1937-39-7 | 217-710-3 |
| Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 |
| Lead Di(acetate) | 301-04-2 | 206-104-4 |
| Trixylyl phosphate | 25155-23-1 | 246-677-8 |
| SVHC Additions - June 2014 | | |
| | CAS Number | EC Number |
| 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 |
| SVHC Additions - December 2014 | | |
| | CAS Number | EC Number |

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| Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | 204-211-0 |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 |
| Cadmium fluoride | 7790-79-6 | 232-222-0 |
| Cadmium sulphate | 10124-36-4,31119-53-6 | 233-331-6 |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 239-622-4 |
| SVHC Additions - June 2015 | CAS Number | EC Number |
| 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 |
| 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] | | |
| SVHC Additions - December 2015 | CAS Number | EC Number |
| 1,3-propanesultone | 1120-71-4 | 214-317-9 |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 |
| Nitrobenzene | 98-95-3 | 202-716-0 |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1, 21049-39-8, 4149-60-4 | 206-801-3 |
| SVHC Additions - June 2016 | CAS Number | EC Number |
| Benzo[def]chrysene | 50-32-8 | 200-028-5 |
| SVHC Additions - January 2017 | CAS Number | EC Number |
| p-(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Decanoic acid, nonadecafluoro-, sodium salt EC no.: - CAS no.: 3830-45-3 Ammonium nonadecafluorodecanoate EC no.: 221-470-5 CAS no.: 3108-42-7 Nonadecafluorodecanoic acid EC no.: 206-400-3 CAS no.: 335-76-2 | | |
| 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 | | |
| 4,4'-isopropylidenediphenol Bisphenol A; BPA | 80-05-7 | 201-245-8 |