

February 8, 2017

To Whom It May Concern:

Re: European Union's REACH Substance of Very High Concern (SVHC) Candidate List, EC No. 1907/2006 and Amendment EC No. 552/2009

The products of Alpha Wire, except as noted below, do not contain any of the following listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated **12 January 2017**, in excess of a concentration of 0.1% weight/weight. Additionally, these products do not contain any of the substances as described in Article 67 and Annex XVII (with amendments).

Non-compliant part numbers; 25002 – 25536. These contain UV-328, CAS # 25973-55-1, in excess of 0.1% in the jacket compound.

For a complete listing of the REACH and RoHS status of all Alpha Wire Standard Products please see [REACH-RoHS Status](#).

Name	EC Number	CAS Number	Date of Inclusion
4,4'-isopropylidenediphenol	201-245-8	80-05-7	1/12/2017
4-heptylphenol, branched and linear			1/12/2017
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts			1/12/2017
p-(1,1-dimethylpropyl)phenol			1/12/2017
Benzo[def]chrysene	200-028-5	50-32-8	6/20/2016
1,3-propanesultone	214-317-9	1120-71-4	12/17/2015
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	12/17/2015
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	12/17/2015
Nitrobenzene	202-716-0	98-95-3	12/17/2015
Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	12/17/2015
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	201-559-5	68515-51-5, 68648-93-1	6/15/2015
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	-	-	6/15/2015

of the individual stereoisomers of [1] and [2] or any combination thereof			
UV-328 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	12/17/2014
UV-320 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	12/17/2014
DOTE 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	12/17/2014
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	12/17/2014
Cadmium fluoride	232-222-0	7790-79-6	12/17/2014
Cadmium sulphate	233-331-6	10124-36-4 31119-53-6	12/17/2014
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)			12/17/2014
Cadmium chloride	233-296-7	10108-64-2	6/16/2014
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	6/16/2014
Sodium peroxometaborate	231-556-4	7632-04-4	6/16/2014
Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	6/16/2014
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013
Dihexyl phthalate	201-559-5	84-75-3	12/16/2013
Cadmium sulphide	215-147-8	1306-23-6	12/16/2013
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	1937-37-7	12/16/2013
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	12/16/2013
Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013
Lead di(acetate)	206-104-4	301-04-2	12/16/2013

Cadmium	231-152-8	7440-43-9	6/20/2013
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013
Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013
Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013
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]	-	-	6/20/2013
Cadmium oxide	215-146-2	1306-19-0	6/20/2013
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012
Henicosafuoroundecanoic acid	218-165-4	2058-94-8	12/19/2012
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	25550-51-0 19438-60-9 48122-14-1 57110-29-9	12/19/2012
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	85-42-7 13149-00-3 14166-21-3	12/19/2012
Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012
Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012
Lead dinitrate	233-245-9	10099-74-8	12/19/2012
Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012
4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012
Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012
Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012
o-Toluidine	202-429-0	95-53-4	12/19/2012

3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012
Silicic acid (H₂SiO₅), 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	68784-75-8	12/19/2012
Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	12/19/2012
Furan	203-727-3	110-00-9	12/19/2012
N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	12/19/2012
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]	-	-	12/19/2012
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012
Diethyl sulphate	200-589-6	64-67-5	12/19/2012
Dimethyl sulphate	201-058-1	77-78-1	12/19/2012
Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012
Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012
Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012
[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	12/19/2012
Bis(pentabromophenyl) ether (decabromodiphenyl ether DecaBDE)	214-604-9	1163-19-5	12/19/2012
N-methylacetamide	201-182-6	79-16-3	12/19/2012
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012
1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012
Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012
N-pentyl-isopentylphthalate	-	776297-69-9	12/19/2012
Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012
Tetraethyllead	201-075-4	78-00-2	12/19/2012
Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012

Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	12/19/2012
Tricosafuorododecanoic acid	206-203-2	307-55-1	12/19/2012
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	12/19/2012
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012
Methoxyacetic acid	210-894-6	625-45-6	12/19/2012
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012
Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012
Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012
o-aminoazotoluene	202-591-2	97-56-3	12/19/2012
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012
4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012
Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012
Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012
Diisopentylphthalate	210-088-4	605-50-5	12/19/2012
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	12/19/2012
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012
Lead cyanamidate	244-073-9	20837-86-9	12/19/2012
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	06/18/2012
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	06/18/2012
Diboron trioxide	215-125-8	1303-86-2	06/18/2012
Formamide	200-842-0	75-12-7	06/18/2012
Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	06/18/2012
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	219-514-3	2451-62-9	06/18/2012
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	59653-74-6	06/18/2012
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	06/18/2012
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	06/18/2012
[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]	219-943-6	2580-56-5	06/18/2012

(EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]			
[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	06/18/2012
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	06/18/2012
α,α-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	06/18/2012
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 (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight			12/19/2011
Calcium arsenate	231-904-5	7778-44-1	12/19/2011
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011
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			12/19/2011

of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon 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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight			
Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	12/19/2011
Lead dipicrate	229-335-2	6477-64-1	12/19/2011
N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011
Arsenic acid	231-901-9	7778-39-4	12/19/2011
2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	12/19/2011
Trilead diarsenate	222-979-5	3687-31-8	12/19/2011
1,2-dichloroethane	203-458-1	107-06-2	12/19/2011
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	12/19/2011
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011
4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011
Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011
Phenolphthalein	201-004-7	77-09-8	12/19/2011
Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011
Lead styphnate	239-290-0	15245-44-0	12/19/2011
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011
Cobalt dichloride	231-589-4	7646-79-9	2011/06/20 - 2008/10/28
1,2,3-Trichloropropane	202-486-1	96-18-4	6/20/2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	6/20/2011
Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011
Strontium chromate	232-142-6	7789-06-2	6/20/2011
2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011

Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	231-801-5, 236-881-5	7738-94-5, 13530-68-2	12/15/2010
Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010
Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010
2-Methoxyethanol	203-713-7	109-86-4	12/15/2010
Chromium trioxide	215-607-8	1333-82-0	12/15/2010
Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010
Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010
2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010
Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	6/18/2010
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010
Potassium dichromate	231-906-6	7778-50-9	6/18/2010
Ammonium dichromate	232-143-1	7789-09-5	6/18/2010
Trichloroethylene	201-167-4	79-01-6	6/18/2010
Sodium chromate	231-889-5	7775-11-3	6/18/2010
Potassium chromate	232-140-5	7789-00-6	6/18/2010
Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010
Acrylamide	201-173-7	79-06-1	3/30/2010
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010
Lead chromate	231-846-0	7758-97-6	1/13/2010
Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010
2,4-Dinitrotoluene	204-450-0	121-14-2	1/13/2010
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010
Anthracene oil	292-602-7	90640-80-5	1/13/2010
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 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			

<p>and mixtures, and fulfil the two following conditions:</p> <p>a) Al₂O₃ and SiO₂ are present within the following concentration ranges: Al₂O₃: 43.5 - 47 % w/w, and SiO₂: 49.5 - 53.5 % w/w, Or Al₂O₃: 45.5 - 50.5 % w/w, and SiO₂: 48.5 - 54 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)."</p>	-	Extracted from Index no.: 650-017-00-8	1/13/2010
Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1/13/2010
<p>Zirconia Aluminosilicate Refractory Ceramic Fibres</p> <p>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 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 two following conditions:</p> <p>a) Al₂O₃, SiO₂ and ZrO₂ are present within the following concentration ranges: Al₂O₃: 35 - 36 % w/w, and SiO₂: 47.5 - 50 % w/w, and ZrO₂: 15 - 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)."</p>	-	Extracted from Index no. 650-017-00-8	1/13/2010
Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010
Diisobutyl phthalate	201-553-2	84-69-5	1/13/2010
Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010
Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	10/28/2008
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008

Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	10/28/2008
Triethyl arsenate	427-700-2	15606-95-8	10/28/2008
Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008
Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008
Anthracene	204-371-1	120-12-7	10/28/2008
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	10/28/2008
Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	10/28/2008
Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	10/28/2008

The information provided in this Statement is correct to the best of Alpha's knowledge, information, and belief at the date of its publication. The information provided herein is designed only as a general guide for the safe handling, storage, and any other operation of the products or the ones that it becomes a part of. This Statement is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.



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 Alpha Wire