



7-7-2017

RE: RoHS3

To Whom It May Concern:

Regarding the information requested concerning Unified Wire and Cable products:

Unified Wire is aware of the "Restriction of Hazardous Substances" Directive, citation 2002/95/EC and 2003/11/EC, 2011/65EU and EU 2015/863 commonly known as RoHS3. This Directive restricts the use of six specific substances in electrical and electronic equipment sold in the EU beginning in 2019.

These six restricted substances are:

1. Lead
2. Mercury
3. Cadmium
4. Chromium VI
5. Polybrominated biphenyls (PBB)
6. Polybrominated diphenyl ethers (PBDE)

Also, Unified Wire does not use any of the following which can be considered similar in nature to the brominated materials in RoHS:

1. Pentabromodiphenylether (PentaBDE)
2. Octabromodiphenylether (OctaBDE)
3. Decabromodiphenylether (Deca BDE)

Additionally, under the proposed RoHS 2, more substances may be restricted if they pose an unacceptable risk. They would be reviewed by the Registration, Evaluation, Authorization-and restriction of- Chemicals (REACH) methodology and additional substances are listed that will be assessed as a priority.

Accordingly, Unified Wire does not intentionally add these substances to any of our product. As you may know, products made with antimony oxide, and copper, may contain trace amounts of lead impurities.

These RoHS restricted substances are:

<u>MATERIAL</u>	<u>ROHS Directive</u>
1. Lead (Trace element in copper mfg).	allowed 1000 ppm (0.1%)
2. Arsenic (future listing)	to be determined

Therefore, as of this date, the product we supply is in compliance to the RoHS2 2011/65/EU directive.

The PVC compounds used in some products does contain antimony oxide, which is a California Proposition 65 chemical. Keep in mind that all of our PVC based compounds are produced with polyvinyl chloride resin that may contain trace levels, < 0.001% by weight of vinyl chloride monomer, which is also a listed California Proposition 65 chemical. Please see MSDS for further information.

The product does contain copper however does NOT contain any Metals of Conflict Sources, Beryllium, Nickel or Nickel based materials Red Phosphorous, Latex, Melamine, Bisphenol A (BPA), Perfluoro-octane Sulfonates

("PFOS"), Polycyclic Aromatic Hydrocarbons (PAHs), Chlorinated Solvents, Dimethyl Fumarate (DMF), PCBs or Asbestos compounded into the products.

	MATERIAL / SUBSTANCE	AMOUNT PRESENT	RoHS Threshold	NOTES
1.	Lead	None	0.1% max (1000ppm)	Trace Element, Not intentionally added.
2.	Mercury	None	0.1% max (1000ppm)	
3.	Cadmium	None	0.01% max (100ppm)	Trace Element, Not intentionally added.
4.	Chromium VI	None	0.1% max (1000ppm)	
5.	Polybrominated biphenyls (PBB)	None		
6.	Polybrominated diphenyls (PBDE)	None		
7.	Octabromodiphenyl ether (OctaDBE), Pentabromodiphenyls ether (PentaDBE), Decabromodiphenyl ether (Deca-BDE)	None		
8.	Perfluorooctane sulfonates, PFOS	None		
9.	Asbestos	None		
10	Cadmium sulphide	None		
11	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)	None		
12	Dihexyl phthalate Diisononyl phthalate (DINP)	None		
13	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	None		
14	Trixylyl phosphate	None		
15	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	None		
16	Lead di(acetate)	None		
17	Bis(2-ethylhexyl) phthalate (DEHP)	None		

18	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	None		
19	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	None		
20	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	None		
21	Cadmium fluoride	None		
22	Dibutyl phthalate (DBP) Benzyl butyl phthalate (BBP) Diisodecyl phthalate Di-n-octyl phthalate Di-iso-butyl phthalate Dioctyl phthalate (DEHP – Di(2-ethylhexyl) phthalate) hexabromocyclododecane (HBCDD) diethylhexyl phthalate (DEHP) Diisc Phthalate (DIBP)	None		

Thank you for your interest in Unified Wire and Cable Products. If you have further questions, please contact your representative for Unified Wire and Cable.

Sincerely,

Tim Talley

Tim Talley
Environmental Manager
Unified Wire and Cable Inc.
tim.talley@unifiedwire.com
Phone 815-748-4876