



# electrocube

... it's a part of what we do.

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Since 1961

11/8/16

## To our suppliers of materials and components - a request / reminder!

“RoHS” or Restriction of Hazardous Substances, is European Community Directive 2011/65/EU (recast as RoHS 2) and imposes restrictions on the use of certain hazardous substances in electrical and electronic equipment (EEE). All Electrocube suppliers are required to be familiar with the requirements of the RoHS regulation. Additional information regarding RoHS may be easily found by internet search.

The requirements for RoHS Compliance are defined by:

EU Directive 2002/95/EC of 27 January 2003, Repealed 3 January 2013 (per EU Directive 2011/65/EU, Article 26)

EU Directive 2011/65/EU of 8 June 2011 (**RoHS 2.0 / Recast**)

Subsequent Amendments and Corrections through to Commission Delegated Directive (EU) 2016/585 of 12 February 2016, relative to restrictions and exemptions applicable to use of (4) heavy metal substances (Pb, Hg, Cd and Cr<sup>+6</sup>), (2) flame retardant substances (PBB and PBDE), and including Commission Delegated Directive (EU) 2015/863 of 31 March 2015, adding (4) phthalate substances (DEHP, BBP, DBP and DIBP - *effective 22 July 2019*), per Annex II Restricted Substances List, per Article 4(1), now totaling (10) restricted substances.

EU Commission Decision 768/2008/EC of 9 July 2008, Annex II, Module A.

This law entered into force on 1 July 2006, initially imposing ban on the use of four specific heavy metals, two classes of flame retardant chemicals, and recently an additional four phthalate substances (DEHP, BBP, DBP and DIBP - *effective 22 July 2019*) in electrical and electronic equipment by suppliers of products into the European Community, as hazardous content. Products may not contain the applicable substances in amounts in excess of the allowable maximum concentration value limit (as %W/W in homogenous material) as noted.

<u>SUBSTANCE</u>	<u>LIMIT</u> (by weight in homogenous material)
Lead (Pb)	<=0.1%
Mercury (Hg)	<=0.1%
Cadmium (Cd)	<=0.01%
Hexavalent Chromium (Cr <sup>+6</sup> )	<=0.1%
Polybrominated biphenyls (PBB)	<=0.1%
Polybrominated diphenyl ether (PBDE)	<=0.1%
Bis(2-ethylhexyl) phthalate (DEHP)	<=0.1%
Butyl benzyl phthalate (BBP)	<=0.1%
Dibutyl phthalate (DBP)	<=0.1%
Diisobutyl phthalate (DIBP)	<=0.1%

Unless specifically contracted and provided otherwise, Electrocube and our customers require assurance that products provided are “RoHS Compliant”.

Concurrently, Electrocube and our customers also require assurance that products provided are “Lead-Free”, utilizing the same content limitations as RoHS. The requirements for Lead/Pb-Free are defined by: IPC/JEDEC J-STD-609A.01-2011

Please note that since January 2005, RoHS content compliance has been imposed as a contractual obligation / requirement of Electrocube purchase orders / procurements, as Clause 22 of Electrocube, Inc. Purchase Order terms and Conditions, as follows, and as may be found on the Electrocube web-site at [www.electrocube.com](http://www.electrocube.com), as noted.

Purchase Order Terms And Conditions:

### 22. RoHS, Brominated Flame Retardants and Heavy Metals.

The products, components or materials supplied shall be in compliance with the restrictions / allowances of the (current revision of) European Union (EU) Reduction of Hazardous Substances (RoHS) 2.0 / Recast Directive 2011/65/EU (prior Directive 2002/95/EC per Article 26), and subsequent EU Commission Amendments and Corrections (Delegated Directives), regarding content of (4) heavy metal substances Lead (Pb), Mercury (Hg), Cadmium (Cd), and Hexavalent Chromium (Cr<sup>+6</sup>), (2) flame retardant substances Polybrominated Biphenyl (PBB) and Polybrominated Diphenyl Ether (PBDE), and including (4) additional phthalate substances (*effective 22 July 2019*) Bis(2-ethylhexyl) Phthalate (DEHP), Butyl Benzyl Phthalate (BBP), Dibutyl Phthalate (DBP), and Diisobutyl Phthalate (DIBP), with the exception of the intentional content of materials and components specifically ordered, noted by procurement documentation, and provided as such.

Please note that RoHS Compliance is implied by "Certifications of Compliance" (C of C's) provided with product deliveries.

Please note that RoHS requirements may be periodically revised, and the RoHS list of restricted substances may be updated with additional substances over-time. It is an obligation of Electrocube suppliers to remain actively aware of revisions / additions to the list of restricted substances on an on-going basis, and that any specific certifications provided, and *RoHS Compliant Certifications implied by "Certifications of Compliance" (C of C's) provided with product deliveries*, reflect the current status regarding RoHS restricted substances and content limits.

As may be periodically and specifically requested by Electrocube, please review and complete the provided RoHS Supplier Compliance Declaration Form (and Table), which reflects the current RoHS list of restricted substances to provide a new or updated RoHS Declaration. Please provide the requested information for each material or product you provide to Electrocube. You may indicate materials or products specifically by part number or generically as identifiable types, series, or families, and may alternatively use your own forms, as long as the requested information is readily discernible. If you have already provided an RoHS Declaration to Electrocube, simply provide an updated copy of your prior declaration.

In the event that any of the items you supply contain the listed RoHS restricted substances, please indicate the specific substance, and the actual content (as a %w/w in homogenous material).

*The preferred response* would be a declaration that products provided to Electrocube are "RoHS Compliant", and that those products will continue to be reliably provided as such, based upon continuous awareness and application of the current requirements imposed by the RoHS Directive, and the current revision of the RoHS restricted substance listing. In the instance that product is, and will continue to be provided in a RoHS Compliant condition, a simple Certification Statement to that effect will be acceptable. Please utilize the attached RoHS Supplier Compliance Declaration Form (and Table) or appropriate alternate forms for this purpose.

Please contact us if you have any questions, or require additional information. Upon request, please complete and sign the RoHS Declaration (or alternative) forms, and return to Electrocube Quality Assurance by mail, fax or e-mail.

Please do not delay in forwarding these critical requests for content information / disclosure to your upstream suppliers (if necessary), and provide your expeditious response to Electrocube to our mutual benefit in the maintenance / support of current and future business.

Thank you for your timely response.

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