

To our business partners

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Point of contact for queries:

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**Customer enquiries regarding the prohibition and declaration of ingredients:
Directives of the European Commission
2011/65/EU pertaining to the restricted use of certain hazardous substances in
electrical and electronic equipment (recast RoHS),
2015/863/EU Delegated Directive amending Annex II 2018/740/EU Delegated Directive
amending Annex III (Aluminium)
2018/741/EU Delegated Directive amending Annex III (Copper)**

Dear Sir or Madam,

We hereby refer to your enquiry regarding the conformity of the materials you have purchased with the above-mentioned EU Directives, which restrict the use of certain substances in electrical and electronic components.

The RoHS Directives limit the maximum concentration (weight) in Annex II to

- 0.1% for lead, mercury, hexavalent chromium, PBB, PBDE, DEHP, BBP, DBP and DIBP
- 0.01% for cadmium

With the exception of lead, the semi-finished products / materials traded by us comply with these limit values. Some of the alloys in our delivery programme deliberately contain **lead as an alloy component**. Annex III contains exemptions from the limit values for the use of lead as an alloy component.

Copper alloys

In Annex III No. 6c of the RoHS Directive, a maximum lead content of 4% is tolerated as an alloy component in copper alloys for materials and components.

With the exception of CuSn4Pb4Zn4 (CW456K) and CuSn7Zn4Pb7-C (CC493K), the alloys supplied by us comply with this exemption.

Lead-free (or lead-reduced) copper and brass alloys (e.g. CuZn21Si3P [Ecobrass], lead-reduced CuZn42 [M59], etc.) that comply with the limit value of 0.1% can be used for applications / categories in accordance with Annex I.

Aluminium alloys

In Annex III No. 6b of the RoHS Directive, a maximum lead content of 0.4% is tolerated as an alloy component in aluminium alloys for materials and components.

According to the standard, the lead content in the aluminium alloy EN AW-2011 is in the range of 0.2 - 0.6%. For orders placed for this material, however, we have restricted the lead content to a maximum of 0.4% within the standardised limits.

The alloys EN AW-2007 and EN AW-6012, in particular, exceed the limit value of 0.4 % of the exemption regulation. Depending on the application, they cannot be used if RoHS conformity is required.

Lead-free aluminium alloys (e.g. 2033, 2077, 6023, 6026LF, etc.) that comply with the limit value of 0.1% can be used for applications / categories in accordance with Annex I.

We will be happy to advise you on the selection of suitable materials.

The supplementary Directives 2018/741/EU (copper alloys) and 2018/740/EU (aluminium alloys) set an expiry date for the exemption in 2021 for almost all uses / categories. Applications for extension were submitted on time for these expiry dates in 2019/2020, but no decision has yet been made by the EU Commission. The exemptions, therefore, remain valid until the Commission has decided on the applications for renewal and, if necessary, has set new expiry dates.

The use (and further processing) of our semi-finished products and thus the obligation to comply with the RoHS Directives shall always be the responsibility of our customers.

Please do not hesitate to contact us, should you have any questions

Yours sincerely

Ferd. Haecker GmbH & Co. KG