

REACH (EC No. 1907/2006)

Date: 2019-08-05
Version: 1.0

Information sheet for products

1. Name of the product and the company

Application / Identification:

Alloys for contact elements for power transmission for CEE plugs and sockets.

Manufacturer / Supplier (provider of this information):

MENNEKES Elektrotechnik GmbH & Co. KG, on behalf of the companies mentioned in the heading.

Further information contact:

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Regarding the information sheet for products:

CEE plugs and sockets are products within the meaning of Regulation (EC) No. 1907/2006 (REACH Regulation).

There is no legal obligation to prepare a safety data sheet for a product. However, to allow for the possibility of providing the information typically contained in a safety data sheet for products, the present information sheet has been prepared for products.

We expressly point out that the information sheet for products is a voluntarily created information sheet that is not subject to the formal requirements of the REACH Regulation.

2. Possible hazards

Classification

Classification according to Regulation (EC) No. 1272/2008 (CLP Regulation):

Products are not subject to the CLP Regulation and are therefore not classified!

Identification elements

Identification according to Regulation (EC) No. 1272/2008 (CLP Regulation): not applicable

Hazard pictograms: not applicable

Signal word: not applicable

Hazard-defining components for labelling: not applicable

Hazard information: not applicable

Other hazards

Results of PBT and vPvB assessment

PBT: Toxic to reproduction for pregnant women if swallowed in large quantities.

vPvB: not included, therefore no hazard

3. Composition / ingredients information

The products mentioned in point 1 are a composite of plastics and metals. This information only relates to the alloy of the metal portion used.

The following classifications represent the classification of the reacting pure substance and are only for information purposes. Alloys are special preparations according to Regulation (EC) 1907/2006 (REACH).

Material abbreviation (DIN CEN/TS 13388): CuZn39Pb3

Material number (DIN CEN/TS 13388): CW614N

The alloy component contained in the material:

| | | |
|-------------------------------------|------|----------|
| CAS: 7439-92-1 EINECS: 231-100-4 | Lead | 2.5-3.5% |
|-------------------------------------|------|----------|

4. First aid measures

General remarks:

No special measures required.

The first aid information is only for possible generated dust.

The product is not dangerous to health. Excessive use can in some cases lead to the smallest metal particles being dissolved. These cannot get into the body if used in a proper way.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Non-flammable Adapt fire-fighting measures to the environment.

Special hazards caused by the product:

No further relevant information available.

Information for firefighting:

Special protective equipment: No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Not required

Environmental precautions: Not required

Methods and material for containment and cleaning:

Collect the material and dispose of it as waste according to Section 13.

Reference to other sections:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7. Handling and storage

Precautions for safe handling:

No special measures required.

Information on fire and explosion protection: No special measures required.

Requirements for storage rooms and containers: No special requirements.

Further information on storage conditions: Keep dry.

8. Restriction and monitoring of exposure / personal protective equipment

There is no risk for the products to be exposed to the substance contained in the alloy and referred to in point 3.

General protection and hygiene measures: none

Personal protective equipment: none

9. Physical and chemical properties

Information on the basic physical and chemical properties of the substance mentioned in point 3.

General data

| | |
|------------------|-----------------|
| Form: | Solid |
| Colour: | Yellow brass |
| Odour: | Odourless |
| Odour threshold: | Not determined. |

Change in condition

| | |
|--|------------------------|
| Melting point/freezing point:: | 870-900 °C |
| Initial boiling point and boiling range: | No determined |
| Flash point: | Not applicable |
| Explosive properties: | None |
| Density at 20 °C: | ~8.4 g/cm ³ |
| Water solubility: | Not soluble |

10. Stability and reactivity

| | |
|--|--|
| Reactivity: | Not applicable. |
| Chemical stability: | Not applicable. |
| Possibility of dangerous reactions: | No dangerous reactions known. |
| Conditions to be avoided: | No further relevant information available. |
| Incompatible materials: | No further relevant information available. |
| Dangerous decomposition products: decomposition / conditions to be avoided: | No dangerous decomposition products known. Thermal |
| No decomposition if used as intended | |

11. Toxicological information

Information on toxicological effects

Primary irritant effect (in relation to the pure substance):

- Skin corrosion/irritation
- Serious eye damage/irritation
- Respiratory or skin sensitisation
- Specific target organ toxicity on single exposure
- Specific target organ toxicity on repeated exposure

According the available data, the classification criteria are not met.

Additional toxicological information:

According to our experience and the information available to us, the product has no harmful effects when used and handled according to specifications. The substance is inseparably bound in the product.

12. Environmental information

Toxicity:

| | |
|---------------------------------|--|
| Aquatic toxicity: | No further relevant information available. |
| Persistence and degradability: | No further relevant information available. |
| Bioaccumulation potential: | No further relevant information available. |
| Mobility in soil: | No further relevant information available. |
| Toxic to reproduction: | Lead in pure form, here in the alloy inseparably bound |
| Further ecological information: | None |

General remarks:

Semi-finished products made of copper and copper alloys are insoluble in water.

Other adverse effects: No further relevant information available.

13. Disposal instructions

These products are subject to WEEE Directive 2012/19/EU.
According to this directive, the products must be disposed of appropriately at the end of their life cycle.

14. Information on transport

| | |
|---------------------------------|-----------------|
| UN number: | |
| ADR, ADN, IMDG, IATA: | not applicable |
| Proper UN shipping name: | |
| ADR, ADN, IMDG, IATA: | not applicable |
| Transport hazard class: | |
| ADR, ADN, IMDG, IATA class: | not applicable |
| Packaging group: | |
| ADR, IMDG, IATA | not applicable |
| Environmental hazards: | Not applicable. |
| Dangerous goods identification: | Not applicable. |
| Special precautions for user: | Not applicable. |

15. Statutory regulations

Identification and information requirements provided in Regulation (EC) 1907/2006 and SVHC Candidate List

Some alloys of our metallic contact parts contain the following substances in concentrations of more than 0.1% (w/w):

| Substance | CAS/EINECS | List | Date of publication |
|-----------|-------------------------------------|------|---------------------|
| Lead | CAS: 7439-92-1 EINECS: 231-100-4 | SVHC | 2018-07-01 |

Products ("complex products") containing copper and copper alloys within the meaning of REACH are not substances or mixtures as referred to in Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (GHS / CLP Regulation).

Packaging does not contain any of the SVHC listed in the Candidate List in concentrations higher than 0.1% (w/w).

16. Other information

The above information is based on current knowledge and experience. It is intended for the safe and proper use of our items. This data does not have the meaning of assured properties. The information contained in this information sheet is provided to the best of our knowledge and belief.