

MSDS : BRASS CuZn37

BRASS CuZn37**1 - Identification of the article and of the company:****1.1 Product identifier**Trade Name: **BRASS CuZn37****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the article: semi-finished product

1.3 Details of the supplier of safety data sheet

Manufacturer/Supplier:

ROBERT LAMINAGE SA

La Jaluse

CH-2400 LE LOCLE

Phone: +41 32 933 91 91**Fax:** +41 32 933 91 89E-mail/Internet: info@robertlaminage.ch www.robertlaminage.ch**1.4 Information in case of emergency:**

Tox Info Suisse

From Switzerland: call 145

From abroad: call +41 44 251 51 51

Remarks for information sheet: Semi-finished products from copper and copper-alloy are articles according to Regulation (EC) No. 1907/2006 (REACH Regulation).

For articles there is no legal obligation to issue a safety data sheet. However, to be able to provide information typically included in a safety data sheet also for articles, the present information sheet for articles has been worked out.

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

2 - Hazards identification**2.1 Classification of the substance or mixture**

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

For products there is no obligation to classify acc. to CLP -Regulation.

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard-determining components of labelling: Void

Hazard statements: Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable to metals

vPvB: Not applicable to metals.

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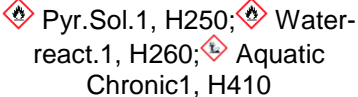
3 - Composition/information on ingredients

3.2. Chemical characterisation: Mixtures

Description: Metal in compact form.
 Material code (DIN CEN/TS 13388:2015-08): CuZn37
 Material number (DIN CEN/TS 13388:2015-08): 2.0321
 UNS-number: C27200

Information:

The classifications mentioned below reflect the respective pure substance and are for information only.
 Copper alloys are special preparations according to Regulation (EC) 1907/2006 (REACH Regulation).
 The classification of a pure substance is not applicable to its use as element of a copper alloy.

| Alloy components: | | | | |
|-------------------|----------------|-----------|-----------|---|
| Chemical Element | % Weight (max) | N° CAS | N° EINECS | Others information |
| Cu | 62.0-64.0% | 7440-50-8 | 231-159-6 |  |
| Zn | Bal.% | 7440-66-6 | 231-175-3 | |

| | |
|------|---|
| SVHC | - |
|------|---|

4 - First aid measures

4.1. Description of first aid measures

General information:
 No special measures required.
 First Aid information refer to any dust which is generated.
 After inhalation: Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.
 After skin contact: Immediately wash with water and soap and rinse thoroughly.
 After eye contact:
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 After swallowing: Rinse out mouth and then drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed:

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 - Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
 Non-flammable. Use firefighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: No special measures required.

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6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

6.2 Environmental precautions:

Not required.

6.3 Methods and material for containment and cleaning up:

Dispose of the material collected according to regulations.

6.4 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 disposal information.

7 - Handling and storage

7.1 Precautions for safe handling:

No special measures required. · Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Further information about storage conditions: None.

7.3 Specific end use(s):

No further relevant information available.

8 - Exposure controls/personal protection

Additional information to national classifications:

ORRChim, 814.81 (National classification Switzerland)

Additional information about design of technical facilities: No further data; see item 7.

8.1. Control parameters

| | |
|---|--|
| Ingredients with limit values that require monitoring at the workplace: | |
| 7440-66-6 Zinc | |
| SUVA (Switzerland) | VME 3 mg/m ³ VLE 3 mg/m ³ |

| | |
|---|--|
| Additional Occupational Exposure Limit Values for possible hazards during processing: | |
| General dust limit (A-alveolar fraction, E-respirable fraction) | |
| SUVA (Switzerland) | (A) 3mg/m ³ (E) 10mg/m ³ |

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Respiratory protection:

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Use a suitable industrial gas mask when work-place-limits are exceeded.

Protection of hands:

Protective gloves are recommended, depending upon how the semis are further processed.

Eye protection:

Protective goggles are recommended, depending upon how the semis are further processed.

Body protection:

Wear suitable protective clothing, depending upon how the semis are further processed.

9 - Physical and chemical properties

| | |
|--|---|
| 9.1 Information on basic physical and chemical properties | |
| General Information | |
| Appearance: | |
| Form: | Solid |
| Colour: | Copper -yellow |
| Odour: | Odourless |
| Odour threshold: | Not determined |
| Change in condition | |
| Melting point/freezing point: | 900-920 °C (Lit.) |
| Initial boiling point and boiling range: | Undetermined. |
| Flash point: | Not applicable. |
| Decomposition temperature: | Not determined. |
| Explosive properties: | Product does not present an explosion hazard. |
| Density at 20 °C: | 8,44 g/cm ³ (Lit.) |
| Solubility in / Miscibility with water: · | Not soluble. |
| 9.2 Other information | No further relevant information available. |

10 - Stability and reactivity

10.1 Reactivity: Not applicable.

10.2 Chemical stability: Not applicable.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

11 - Toxicological information

General information:

The solid product does not pose a health hazard if handled properly.

Effect on the skin: No effects

Effect on eyes: No effects

Sensitization: No effects

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12 - Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information

General notes: Semi-finished articles from copper and copper-alloy are not soluble in water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable to metals. - vPvB: Not applicable to metals.

12.6 Other adverse effects: No further relevant information available.

13 - Disposal considerations

13.1 Waste treatment methods

Recommendation: Contact manufacturer for recycling information.

Waste disposal key:

12 01 03: non-ferrous metal filings and turnings

16 01 18: non-ferrous metal for non-contaminated waste

14 - Transport information

| | |
|--|----------------|
| 14.1 UN-Number | |
| ADR, ADN, IMDG, IATA | Void |
| 14.2 UN proper shipping name | |
| ADR, ADN, IMDG, IATA | Void |
| 14.3 Transport hazard class(es) | |
| ADR, ADN, IMDG, IATA - Class | Void |
| 14.4 Packing group | |
| ADR, IMDG, IATA | Void |
| 14.5 Environmental hazards: | Not applicable |
| 14.6 Special precautions for user: | Not applicable |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable |

15 - Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical safety assessment: void.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Waterhazard class: Generally not hazardous for water.

Other regulations, limitations and prohibitive regulations.

| | |
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| Substances of very high concern (SVHC) according to REACH, Article 57 | |
| - | - |

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16 - Other information

This information is based on our present. However, this shall not constitute a guarantee for any specific article features and shall not establish a legally valid contractual relationship.