

MSDS : TOMBAC CuZn5

**TOMBAC CuZn5****1 - Identification of the article and of the company:****1.1 Product identifier**Trade Name: **TOMBAC CuZn5****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](http://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.

MSDS : TOMBAC CuZn5

**3 - Composition/information on ingredients**

**3.2. Chemical characterisation: Mixtures**

Description: Metal in compact form.

Material code (DIN CEN/TS 13388:2015-08): CuZn5

Material number (DIN CEN/TS 13388:2015-08): 2.0220

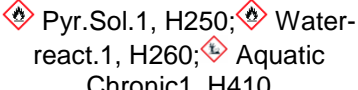
UNS-number: C21000

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	94.0-96.0%	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.

MSDS : TOMBAC CuZn5

**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:	
<b>7440-66-6 Zinc</b>	
SUVA (Switzerland)	VME 3 mg/m <sup>3</sup> VLE 3 mg/m <sup>3</sup>

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

**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:

*Date of first publication: July 2018*  
*Date of Last Revision: March 2020 Edition*

MSDS : TOMBAC CuZn5

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

<b>9.1 Information on basic physical and chemical properties</b>	
General Information	
Appearance:	
Form:	Solid
Colour:	Copper -yellow
Odour:	Odourless
Odour threshold:	Not determined
Change in condition	
Melting point/freezing point:	1050-1065 °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:	8,86 g/cm <sup>3</sup> (Lit.)
Solubility in / Miscibility with water: ·	Not soluble.
<b>9.2 Other information</b>	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

MSDS : TOMBAC CuZn5

**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**

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

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

*Date of first publication: July 2018*  
*Date of Last Revision: March 2020 Edition*

MSDS : TOMBAC CuZn5

## 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.