

1. Identification of the article and of the company

1.1. Product identifier

- ❖ Trade Name: Ecocast® (CuZn21Si3P)

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 the safety data sheet

- ❖ Manufacturer / Supplier:
Sarbak Metal Tic. ve San. A.Ş.
O.S.B. Gazi Osman Paşa Mah.
İtfaiye Cad. No:3 Çerkezköy
59500 TEKİRDAĞ
Tel: +90 282 725 19 60
Fax: +90 282 725 19 70
- ❖ Information department:
Environment Management
ozge@sarbak.com.tr

1.4. Information in case of emergency

Environment Management: ozge@sarbak.com.tr

Phone: +90 282 725 19 60

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): Semi-finished products do not fall within the scope of the CLP-Regulation and therefore there are not classified.

2.2. Label elements

- ❖ Labelling according to Regulation (EC) No 1272/2008: Void.
- ❖ Hazard pictograms: Void.
- ❖ Signal word: Void.
- ❖ Hazard-determining components of labeling: 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

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

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 pure substance is not applicable to its use as element of a copper alloy.

Alloy Components:

CAS: 7440-50-8 EINECS: 231-159-6	copper	% 75-77
CAS: 7440-66-6 EINECS: 231-175-3	zinc	% balance
CAS: 7440-21-3 EINECS: 231-130-8	silicon	% 2,7-3,5
CAS: 7723-14-0 EINECS: 231-768-7	phosphorus	% 0,02-0,10

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.

The mixture in solid form does not pose any significant health hazard. However, melting or activities which produce metal dust, smoke or fumes can cause that metal dust enter the body in harmful amounts.

- 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. Fire-Fighting Measures

5.1. Extinguishing media

- ❖ Suitable extinguishing agents: Non-flammable. Use fire fighting measures that suit the environment.
- ❖ **Special hazards arising from the substance or mixture:** No further relevant information available.
- ❖ **Advice for firefighters:** Protective equipment: No special measure 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: Collect the material and if necessary dispose it as waste according to section 13.

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: Store in dry conditions.

7.3 Specific end use(s): No further relevant information available.

8. Exposure Controls / Personal Protection

➤ **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: The products does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Occupational Exposure Limit Values For possible hazards during processing:

general dust limit (A - alveolar fraction, E - respirable fraction)

AGW	(A) 3 (E) 10 mg/m ³
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• Additional information: The lists valid during the making were used as basis. For the abbreviations, please refer to TRGS 900.

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: 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	Color: metallic-yellow
Odor: odorless	Odour threshold: not determined

❖ Change in condition:

- Melting point / Melting range: 860-925 °C (lit.)
- Boiling point / Boiling range: undetermined

❖ Flash point: Not applicable

❖ Explosive properties: Product does not present an explosion hazard.

❖ Density at 20 °C: 8,25 g/cm³ (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

11.1. General information: The solid product does not pose a health hazard if handled properly.

Effect on the skin: No effects

Effects 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-alloys 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: for non-contaminated waste
12 01 03: non-ferrous metal filings and turnings,
16 01 18: non-ferrous metal

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: 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.



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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

16. Other Information

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

- Department issuing information sheet: Environment Management
- Contact: Ö. Özge Deli (phone: +90 282 725 19 60)
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