

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCMI-009

Trade name: Cu-Reactor

Version 1.1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Product Name: Cu-Reactor

Formal Name: Cu-Reactor

Product Number: BCMI-009

CAS-Nr.: 7440-50-8

Index No.: not available

EC No: not available

REACH No: not available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses:

Laboratory chemical, for research and development only

1.3. Details of the supplier of the safety data sheet

baseclick GmbH

Floriansbogen 2-4

82061 Neuried

Germany

Telephone: +49 89 9699 3401

E-mail: support@baseclick.eu

1.4. Emergency telephone number

+49 89 9699 3401 (Working days Germany 09:00 AM – 05:00 PM CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

not required

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Formula: Cu

MW: 63.55 g/mol

Purity: $\geq 99\%$ (ICP-OES)

Description: copper colored solid

TLV units: Unknown.

3.2 Mixtures

not required

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Avoid all direct contact.

Always contact physician.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact:

Flush thoroughly with soap and water.

In case of eye contact:

Flush thoroughly with water.

If swallowed:

Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

Rinse mouth with water.



4.2 Most important symptoms and effects, both acute and delayed

Irritant effects, coughing, difficulty breathing, vomiting

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

The substance is not flammable. Use extinguishing material which is best suited or the neighboring environment

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5.2 Special hazards arising from the substance or mixture
non flammable

5.3 Advice for fire-fighters
Use material suitable and appropriate to surrounding fire conditions.
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid all direct contact.
Respiratory protection: Avoid breathing vapors, mist or gas. For personal protection see item 8.
Protective gloves: Impermeable
Eye protection: Laboratory safety glasses
Other protective equipment: Normal laboratory apparel.
- 6.2 Environmental precautions**
Do not let product enter drains.
- 6.3 Methods and material for containment and cleaning up**
Take up mechanically. Control of dust.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition. Provide adequate ventilation. When not in use, keep containers tightly closed.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature RT, dark.
- 7.3 Specific end use(s)**
No information available.

SECTION 8: Exposure controls/personal protection Handling and storage

- 8.1 Control parameters**
Additional information about design of technical facilities: No further requirements, see item 7.

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Ingredients with limit values that require monitoring in the workplace: TWA Germany (0,01 mg/m³, 8h)

8.2 Exposure controls



Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, flame retardant antistatic protective clothing.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical solid

Colour: copper coulered

Odour: None

Odour threshold: No data available

pH (value): No data available

Melting point/freezing point: 1083 °C

Initial boiling point and boiling range: 2595 °C

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

lower explosion limit (LEL): No data available

upper explosion limit (UEL): No data available

Explosion limits of dust clouds: No data available

Vapour pressure: No data available

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Vapour density: No data available

Relative density: No data available

Water solubility (20 °C): insoluble solid catalystr

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, flow time (23 °C): No data available

Viscosity, dynamic (mPas / 20 °C): No data available

Explosive properties: No data available

Oxidizing properties: No data available

9.2 Other information:

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

These material is under standart circumstandes non reactive

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

Keep away from strong oxidatives

10.4 Conditions to avoid

non known

10.5 Incompatible materials

Avoid strong oxidants.

10.6 Hazardous decomposition products

Dangerous decomposition: Toxic oxides of nitrogen may evolve when heated to decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

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Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity -single exposure: No data available

Specific target organ toxicity -repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Process of degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging:

see Product

SECTION 14: Transport information

14.1 UN number

ADR/RID: -

IMDG: -

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IATA: -

14.2 UN Proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Caution – substance not yet tested completely.

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out

SECTION 16: Other information

16.1 Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about

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