

1. Identification of the substance/preparation and of the company/undertaking*Identification of the product*

Copper powder

Manufacturer/supplier identification

Company: Guangdong Guanghua Sci-Tech Co.,Ltd

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2. Hazards identification**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Not a hazardous substance or mixture.

Supplemental Hazard Statements

none

3. Composition/information on ingredients*Synonyms*

Copper

CAS-No.: 7440-50-8

M: 63.55g/mol

Molecular formula: Cu

4. First aid measures**If inhaled**

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. Fire-fighting measures**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Not available.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures**Personal precautions**

Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection**Appropriate engineering controls**

General industrial hygiene practice.

Personal protective equipment**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. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. Physical and chemical properties

Form: Powder

Colour: reddish brown

Odour: not available

pH value: not available

Melting point: 1093

Boiling point: not available

Ignition temperature: not available

Flash point: not available

Autoignition temperature: not available

Explosion limits

lower: not available

upper: not available

Density : not available

Bulk density: 5.9

Solubility in

water (20 °C) : not available

diluted acids (20 °C) : not available

Thermal decomposition: not available

10. Stability and reactivity

Chemical stability

no data available

Conditions to avoid

Heat, fire and sparks

Materials to avoid

Strong acid, acyl chloride, halogens

Hazardous decomposition products

In the event of fire, it breaks down to form harmful substances Carbon oxide, nitrogen oxide, sulfur oxide, sodium oxide

11. Toxicological information

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component in this product greater than or equal to 0.1% has been identified by IARC as a probable or definite human carcinogen.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

12. Ecological information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. Transport information

ADR/RID

UN-Number:3089 Class:4.1 Packing group:

Proper shipping name: Metallic powder, flammable, not otherwise specified (copper powder)

IMDG

UN-Number:3089 Class:4.1 Packing group:

Proper shipping name: Metallic powder, flammable, not otherwise specified (copper powder)

Marine pollutant: no

IATA

UN-Number:3089 Class:4.1 Packing group:

Proper shipping name: Metallic powder, flammable, not otherwise specified (copper powder)

15. Regulatory information

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

16. Other information

General update.

Regional representation:

This information is given on the authorised Safety Data Sheet for your country.