

Copper Powder

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Copper Powder
Chemical Name: Cu
Supplier: Jacobson Chemicals Ltd
 Unit 4
 Newman Lane Industrial Estate
 Alton
 Hants
 GU34 2QR
Telephone: 01420 86934
Fax: 01420 549574
E-mail: sales@jacobsonchemicals.co.uk

2. COMPOSITION

Substance: Copper
Substance Name: N/a
EC Index No: N/a
CAS Number: N/a
EEC Number: N/a

<u>Substance</u>	<u>Typical Composition</u>	<u>TLV (mg/m3)</u>
Copper	99.3%	1

3. HAZARD IDENTIFICATION

The most important hazards are: Powder may cause irritation if allowed to enter eyes.
Inhalation: Breathing dust may cause metal fume fever.
Skin Contact: N/a
Eye Contact: N/a
Ingestion: N/a

4. FIRST AID MEASURES

Immediate medical attention: No
Professional assistance from physician required? Yes
Inhalation: Remove from area of exposure into fresh air and keep at rest - if necessary seek medical attention.
Skin Contact: Wash with mild soap and water and apply hand lotion - remove contaminated clothing.
Eye Contact: Rinse thoroughly with water.
Ingestion: No specific first aid required but if necessary seek medical attention.
Wounds: Clean and remove all powder particles, rinse with water and apply antiseptic cream.

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	N/a
Special protective equipment:	Use dry inert material and prevent dust cloud formation.
Special fire fighting procedures:	N/a
Exposure Hazards:	N/a

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	
Methods of Cleaning:	Collect using a spade or scoop and collect excessive dust with a vacuum cleaner and place in separate leak proof container.

7. HANDLING & STORAGE

In ambient temperature away from open flame and in dry conditions in a well ventilated area.

8. EXPOSURE CONTROLS

Take measures to prevent:	Avoid dusty working conditions and use adequate dust extraction - wash hands after handling.
Exposure control limits, and source:	N/a
Respiratory Protection:	If insufficient ventilation then suitable respiratory equipment with fine particle filter should be worn (P2).
Hand Protection:	Wear protective gloves.
Eye Protection:	Wear goggles if possible eye contact.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	N/a
Odour:	N/a
Colour:	N/a
Flash Point:	N/a
Viscosity:	N/a
Melting Point:	1083°C
Boiling Point:	2324°C
Explosion Limits:	N/a
Bulk Density:	2.0 - 4.2 g/cm ³
Solubility:	N/a

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10. STABILITY & REACTIVITY

Stability:	Stable at normal handling and storage conditions.
Conditions to avoid:	N/a
Materials to avoid:	Violent reactions with Nitric acid, acetylene and oxidizing agents.
Hazardous decomposition products:	N/a

11. TOXICOLOGICAL INFORMATION

Copper: Oral.rat TDLo 152 mg/kg
 Copper metal is non-toxic and no chronic effects known.
 Inhalation of copper dust or fumes may cause metal fume fever.

12. ECOLOGICAL INFORMATION

Possible effects:	Toxic to fish and lower forms of life.
Behaviour:	N/a
Environmental fate:	Copper is toxic to fish and lower forms of life and therefore avoid contamination of land and waterways.

13. DISPOSAL CONSIDERATIONS

Likely residues / waste products:	N/a
Safe handling of and residues/waste products:	Collect excess spillage with vacuum cleaner and dispose in safe manner according to local, state or federal regulations.

14. TRANSPORT INFORMATION

Special carriage precautions in carriage:	N/a
Classification data:	N/a
UN Number:	N/a
Proper Shipping Name:	N/a
IMO - Sea:	N/a
ICAO - Air:	N/a
ADR - Road:	N/a
Transport Category:	N/a
Limited Quantity Size:	N/a
Additional Data:	N/a

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15. REGULATORY INFORMATION

Supply label information:	Non classified
Hazard Symbol:	Non classified
Risk Phrases:	Non classified
Safety Phrases:	Non classified

16. OTHER INFORMATION

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| a) Training needs: | For further information contact our office. |
| b) Recommended uses and restrictions: | |
| c) Further references: | |
| d) Key data sources: | In accordance with EEC Directive 91/155/EEC Chemicals (Hazard information and packaging for supply) Regulations 2002 |

The data contained in this Safety Data Sheet has been supplied as required, by the Chemicals (Hazard Identification and Packaging) Regulations 1994, as amended, for the purposes of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person in your company, who is capable of acting on the information.

NOTE:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety at Work regulations, or other Health & Safety at Work regulations.