

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name : Copper Oxide
Chemical Name : Cupric Oxide
Synonyms : Copper (II) Oxide

Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL
Telephone : 01395-233-077
Fax : 01395-233-905

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EC Number	% of composition
Copper 2 Oxide	1313-38-0	2152691	>98

3. HAZARD IDENTIFICATION

Inhalation: Excessive exposure may cause symptoms of chronic lung disease.
Ingestion: Ingestion of large amount may cause vomiting, diarrhoea, nausea, salivation and intense pain.
Eyes: May cause physical irritation and inflammation.
Skin: The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation. Discoloration of the skin may occur, without indicating injury. Some people may become allergic to copper and develop dermatitis and long lasting sensitivity.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention.
Ingestion: Do not induce vomiting. Seek medical advice.
Eyes: Wash immediately with copious amounts of water.
Skin: Wash affected areas with water.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.
Special exposure hazards: In the event of a fire the product may emit harmful or toxic fumes.
Protective personal equipment: None other than those suitable for the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Leaks & Spills:	Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a receptacle.
Personal protective equipment:	Respiratory protective equipment.

7. HANDLING AND STORAGE

Handling:	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.
Storage:	Store in dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
Personal protective equipment:	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form:	powder
Colour:	black
Odour:	odourless
Flash point (°C):	N/A
Flammability:	N/A
Explosive properties:	Non-explosive
Oxidising properties:	None
Specific gravity:	About 6
pH value:	7 (insoluble in water)
Melting point (°C):	>1350°C but starts to decompose from 1100°C

10. STABILITY AND REACTIVITY

Chemical stability:	The material is stable
Conditions/materials to avoid:	Powdered or reactive metals, hydrogen sulphide, phthalic onhydride, dichloromethylsilane, reductants.
Hazardous decomposition products:	None known
Hazardous polymerization products:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicology:	LD50 Oral: 470mg/kg LD50 Dermal: Not known LD50 inhalation: Not known
Health effects:	Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not known but it is used as a fungicide.
Persistence:	Not known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current waste disposal regulations (for UK – Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. TRANSPORT INFORMATION

UN/SI No.		Not restricted
UN Class		Not restricted
Packing Group		Not restricted
Road	UK	Not restricted
	ADR	Not restricted
Sea	IMO	Not restricted
Air	ICAO	Not restricted

15. REGULATORY INFORMATION

EC Supply Labelling:		Harmful
R-Phrases:	R20/22 R33	harmful by inhalation and if swallowed. danger of cumulative effect.
S-Phrases:	S13 S20/21	keep away from food, drink and animal feeding stuff. when using do not eat, drink or smoke.
UK Occupational exposures limits*:	Mg/m ³	8 hr TWA
Dusts -	10	% in product.
Total inhalable	5	
Total respirable		

*Refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

16. OTHER INFORMATION**References:**

COSHH ACOP	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994
CHIP 96	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
CHIP SDS ACOPS	HSC Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations.

Further information:

Data sheet producing department: CTM Potters Supplies
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Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.