

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

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

Product information:

Product Name : Copper Carbonate
Chemical Name : Copper Carbonate
Synonyms : None
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 (hydroxide) carbonate CuCO ₃ .Cu(OH) ₂ | 12069-69-1 | 2351136 | 100% |

3. HAZARD IDENTIFICATION

Inhalation: There may be irritation of the throat with a feeling of tightness.
Ingestion: The product is harmful by ingestion. May cause vomiting and diarrhoea.
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.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention.
Ingestion: Do not induce vomiting. Wash out mouth with water and given plenty of water to drink, seek medical attention.
Eyes: Wash immediately with copious amounts of water, if discomfort persist, obtain medical attention.
Skin: Wash affected areas with water for at least 10 minutes.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.
Special exposure hazards: Decomposition takes place at 200°C at which point the materials emits acrid smoke and fumes.
Protective personal equipment: Respiratory protective equipment.

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

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|------------------|--|
| 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 at room temperature 15-25°C. Keep away from direct sunlight. |

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: | fine powder |
| Colour: | green |
| Odour: | odourless |
| Flash point (°C): | N/A |
| Flammability: | N/A |
| Explosive properties: | Non-explosive |
| Oxidising properties: | None |
| Specific gravity: | 4 |
| pH value: | 7 (insoluble in water) |
| Melting point (°C): | Decomposes |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical stability: | The material is stable |
| Conditions/materials to avoid: | None known |
| Hazardous decomposition products: | Decomposes at 200°C, emits acrid smoke and fumes. |
| Hazardous polymerization products: | None |

11. TOXICOLOGICAL INFORMATION

| | |
|--------------------------|--|
| Acute toxicology: | LD50 Oral: 1350mg/kg LD50 Dermal: Not known LD50 inhalation: Not known |
| Health effects: | Copper bearing dusts and compounds are regarded as being toxic by ingestion. In humans the ingestion of a large quantity of Copper Sulfate has caused vomiting, gastric pain, dizziness, exhaustion, anaemia, cramps, convulsions, shock, coma and death. Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs. |

12. ECOLOGICAL INFORMATION

| | |
|---------------------|-----------------------------|
| Ecotoxicity: | Toxic to aquatic organisms. |
| 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. | | 3288 Toxic solif, inorganic |
| UN Class | | 6.1 |
| Packing Group | | III |
| Road | UK | As above |
| | ADR | As above 65(C) |
| Sea | IMO | As above |
| Air | ICAO | As above |

15. REGULATORY INFORMATION

| | | | |
|---|-------------------|--|---------------|
| EC Supply Labelling: | Harmful | | |
| R-Phrases: | R20/22 | harmful by inhalation and if swallowed. | |
| S-Phrases: | S20/21 | when using do not eat, drink or smoke. | |
| | S22/23 | do not breathe dust or spray. | |
| | S24/25 | avoid contact with skin and eyes. | |
| | S38 | in case of insufficient ventilation wear suitable respiratory equipment. | |
| UK Occupational exposures limits*: | Mg/m ³ | 8 hr TWA | % in product. |
| Dust – total | | 10 | -- |
| 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:**

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|----------------|---|
| 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
Telephone: 01395-233-077

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.