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### Section 1 — Chemical Product and Company Identification

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## Copper(II) Carbonate

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Copper(II) carbonate

Synonym: cupric carbonate, malachite

CAS#: 12069-69-1

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### Section 3 — Hazards Identification

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Green to blue powder or dark-green crystals. Odorless.

Slightly toxic by ingestion and inhalation. Irritant to skin, eyes, and mucous membranes. Avoid all body tissue contact.

#### FLINN AT-A-GLANCE

Health-1

Flammability-0

Reactivity-0

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give large quantities of water. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Non flammable, non combustible solid.

#### NFPA CODE

None established

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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### Section 7 — Handling and Storage

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Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates.

Store in a cool dry place. Store in the dark. Use and dispense in a hood.

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### Section 8 — Exposure Controls, Personal Protection

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Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Use exhaust ventilation to keep airborne concentrations low.

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

Copper(II) Carbonate

MSDS #: 280.00

Revision Date: September 20, 2004

### Section 9 — Physical and Chemical Properties

Green to blue powder or dark-green crystals. Odorless.  
Solubility: Insoluble in water; soluble in acids.  
Decomposes at 200 C  
Formula:  $\text{Cu}_2(\text{OH})_2\text{CO}_3$   
Formula Weight: 221.11

Specific Gravity: 4.0

### Section 10 — Stability and Reactivity

Avoid contact with acids and oxidizing agents.  
Shelf life: Indefinite.

### Section 11 — Toxicological Information

Acute effects: Toxic, irritant, gastrointestinal disturbances  
Chronic effects: N.A.  
Target organs: N.A.

ORL-RAT LD50: 1350 mg/kg  
IHL-RAT LC50: N.A.  
SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### Section 12 — Ecological Information

Data not yet available.

### Section 13 — Disposal Considerations

Please consult with state and local regulations.  
Flinn Suggested Disposal Method #26a is one option.

### Section 14 — Transport Information

Shipping Name: Not regulated  
Hazard Class: N/A  
UN Number: N/A

N/A = Not applicable

### Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (235-113-6).

### Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

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*Flinn Chemical Packaging Prevents Accidents*

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