

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 283.00

Revision Date: September 15, 2004

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### Section 1 — Chemical Product and Company Identification

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## Copper(II) Nitrate Solution

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) Nitrate (19004-19-4) <1% - 25% and Water (7732-18-5) 80% - 99%

CAS#: None Established

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### Section 3 — Hazards Identification

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Clear blue solution. Odorless.  
Slightly toxic by ingestion. Irritating to skin, eyes and mucous membranes.  
Avoid contact with body tissues.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-0  
Reactivity-1  
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 solution.

#### NFPA CODE

None  
Established

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. 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 #3. Store with amides, nitrates and nitrites.

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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.

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### Section 9 — Physical and Chemical Properties

Clear blue solution. Odorless.  
A mixture of cupric nitrate and water, 0.1 to 1.0 molar.  
Solubility: Water soluble.

### Section 10 — Stability and Reactivity

Avoid contact with strong reducing agents.  
Shelf life: Good.

### Section 11 — Toxicological Information

Acute effects: Corrosive	ORL-RAT LD50: 940 mg/kg as cupric nitrate
Chronic effects: N.A.	IHL-RAT LC50: N.A.
Target organs: 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 #26b 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

Not listed.

### 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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