

**FLINN SCIENTIFIC, INC.**  
**Material Safety Data Sheet (MSDS)**

MSDS #: 283.00

Revision Date: June 25, 2010

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Copper(II) Nitrate Solution**

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

CHEMTREC Emergency Phone Number: (800) 424-9300

**SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS**

Copper(II) nitrate (19004-19-4) <1% - 25% and water (7732-18-5) 80% - 99%

CAS#: None established

**SECTION 3 — HAZARDS IDENTIFICATION**

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

**SECTION 4 — FIRST AID MEASURES**

Call a physician and 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 at least 15 minutes.  
External: Wash continuously with fresh water for at least 15 minutes.  
Internal: Give large quantities of water. Call a physician or poison control at once.

**SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable, noncombustible solution.

**NFPA CODE**

None  
established

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Restrict unprotected personnel from the area and ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

**SECTION 7 — HANDLING AND STORAGE**

Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, and nitrites.

**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear blue solution. Odorless.

A mixture of copper(II) nitrate and water, 0.1 to 1.0 molar.

Solubility: Water soluble.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong reducing agents.

Shelf life: Good.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Corrosive.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 940 mg/kg as cupric nitrate

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please consult with state and local regulations.

Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**