# FLINN SCIENTIFIC

#### 8-27-2021: File reviewed, more current MSDS/SDS not available. JMC

# Safety Data Sheet (SDS)

# 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) 424-9679

SECTION 2 — HAZARDS IDENTIFICATION				
Hazard class: Skin corrosion or irritation (Category 3). Causes mild skin irritation (H316).				
Hazard class: Serious eye damage or irritation (Category 2B). Causes eye irritation (H320).				

## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Copper(II) nitrate trihydrate	10031-43-3	Cu(NO <sub>3</sub> ) <sub>2</sub> •3H <sub>2</sub> O	241.60	<1-25%>
Water	7732-18-5	H <sub>2</sub> O	18.00	75-99%

## SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). If eye irritation persists eyes: Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention (P332+P313).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

## SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

In case of fire: Use a tri-class dry chemical fire extinguisher.

# SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8

Signal Word WARNING

Pictograms

None established

NFPA Code

# SECTION 7 — HANDLING AND STORAGE

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

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling (P264).

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear blue liquid. Odorless.

# SECTION 10 - STABILITY AND REACTIVITY

Avoid contact with strong reducing agents.

Shelf life: Good, if stored properly.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

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.

#### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

#### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

#### SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

#### SECTION 15 — REGULATORY INFORMATION

Not listed.

#### SECTION 16 — OTHER INFORMATION

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

N/A = Not applicable

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

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