

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 341.50

Revision Date: May 11, 2005

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Iron(III) Nitrate Solution, Acidified

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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Iron(III) Nitrate (7782-61-8) 8%, Nitric Acid (7697-37-2) 6%, and Water (7732-18-5) 86%.

Synonyms: Ferric Nitrate Solution

CAS#: None Established

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### SECTION 3 — HAZARDS IDENTIFICATION

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Brown-yellow liquid. Slight nitric acid odor.

Corrosive to body tissues by contact and inhalation. Avoid contact with skin, eyes and mucous membranes.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-0  
Reactivity-0  
Exposure-2  
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 liquid.

#### 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**

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Brown-yellow liquid. Odorless.  
A mixture of Iron(III) nitrate, nitric acid, and water.  
Solution is about 0.2M Iron(III) nitrate and 0.6M nitric acid.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with oxidizers and organic material.  
Shelf life: Good

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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|--------------------------|--------------------|
| Acute effects: Corrosive | ORL-RAT LD50: N.A. |
| 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.

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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 Chemical Catalog/Reference Manual  
for additional information about laboratory chemicals**