



## Iron(III) Nitrate Solution Safety Data Sheet (SDS)

SDS #: 341

Revision Date: August 3, 2015

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Iron(III) Nitrate Solution

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

Chemtrec Emergency Phone Number: (800) 424-9778

**Signal Word**  
**WARNING**

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

Pictograms



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Form
Iron(III) nitrate	7782-61-8	Fe(NO <sub>3</sub> ) <sub>3</sub> •9H <sub>2</sub> O	404.00
Water	7732-18-5	H <sub>2</sub> O	18.00

### 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

(P304+P340).

**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). Immediately call a POISON CENTER or physician (P310).

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

#### **SECTION 5 — FIRE FIGHTING MEASURES**

Nonflammable, noncombustible solution.

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

##### **NFPA Code**

None established

#### **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 and 13 for further information.

#### **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 (P280). Wash hands thoroughly after handling (P264).

Exposure guidelines: (as iron nitrate) TLV 1 mg/m<sup>3</sup> (ACGIH)

#### **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Brown-yellow liquid. Odorless.

#### **SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with oxidizers and organic material.

Shelf life: Good, if stored properly.

#### **SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Corrosive, irritant.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 3250 mg/kg as iron(III) 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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