



Flinn Scientific Canada Inc.  
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PRODUCT: Iron(III) Nitrate

CODE: FJ0009

## Section 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.  
PO Box 219  
Batavia, Illinois 60510 USA  
Tel: 1-800-452-1261

PRODUCT NAME..... Iron(III) Nitrate

PRODUCT CODE(S)..... FJ0009

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

EMERGENCY NUMBER:..... CHEMTREC Emergency Phone Number: 703-527-3887 .

## Section 02: HAZARD IDENTIFICATION



SIGNAL WORD..... WARNING.

HAZARD CLASSIFICATION..... Skin Irritation — Category 2. Eye Irritation — Category 2A. Oxidizing Solids — Category 3

HAZARD STATEMENT(S)..... H272 May intensify fire; oxidizer. H315 Causes skin irritation. H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P220 Keep/Store away from clothing and combustible materials. P221 Take any precaution to avoid mixing with combustibles. P264 Wash thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection and face protection.

RESPONSE..... P312 Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs get medical attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. P370+P378 In case of fire: Use tri-class dry chemical fire extinguisher for extinction.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Inorganic #3.

DISPOSAL..... P501 Dispose of contents/container in accordance with local regulations.

## Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Iron (III) nitrate nonhydrate	7782-61-8	100

## Section 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT ..... Call a POISON CENTER or physician if you feel unwell.

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

INGESTION..... Rinse mouth. Call a POISON CENTER or physician if you feel unwell .

SKIN CONTACT..... Wash with plenty of water. If skin irritation occurs: Get medical advice or attention .

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

## Section 05: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .

HAZARDOUS COMBUSTION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

SPECIAL FIRE FIGHTING PROCEDURES..... Nonflammable solid. Strong oxidizer, contact with combustible material may cause fire.

NFPA CODE..... None established.

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## Section 06: ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES ..... Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.  
 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP ..... Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. . See Sections 8 and 13 for further information.

## Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Flinn Suggested Chemical Storage Pattern: Inorganic #3. Deliquescent. Take any precautions to avoid mixing with combustibles . Keep and store away from clothing and combustible materials.  
 STORAGE NEEDS..... Store with amides, nitrates, nitrites and azides. Store in a cool, dry place within a Flinn Chem-Saf™ bag.

## Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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Iron (III) nitrate nonhydrate	1 mg/m3	Not established	Not established	Not established	Not established	Not established
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PROTECTIVE EQUIPMENT..... Wear protective gloves, protective clothing, and eye protection.  
 EYE/TYPE..... Safety goggles.  
 RESPIRATORY/TYPE..... Respiratory device if needed.  
 GLOVES/ TYPE..... Protective gloves.  
 CLOTHING/TYPE..... Protective clothing.  
 FOOTWEAR/TYPE..... Protective footwear.  
 BODY/TYPE..... General personal protective equipment.

## Section 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE..... Pale violet crystals.  
 ODOUR..... Odourless.  
 ODOUR THRESHOLD..... No data.  
 pH..... Not applicable.  
 SPECIFIC GRAVITY..... 1.7.  
 MELTING POINT (°C)..... 47.2°C.  
 BOILING POINT (°C)..... No data.  
 EVAPORATION RATE..... Not applicable.  
 FLASH POINT (°C), METHOD..... Nonflammable solid. Strong oxidizer, contact with combustible material may cause fire.  
 UPPER FLAMMABLE LIMIT (% VOL)..... No data.  
 LOWER FLAMMABLE LIMIT (% VOL)..... No data.  
 AUTO IGNITION TEMPERATURE (°C)..... No data.  
 VAPOUR PRESSURE (mm Hg)..... Not applicable.  
 VAPOUR DENSITY (AIR=1)..... No data.  
 SOLUBILITY..... Water and alcohol.  
 DECOMPOSITION TEMPERATURE..... No data.  
 VISCOSITY..... Not applicable.

## Section 10: STABILITY AND REACTIVITY

STABILITY..... Shelf life: Fair to poor, deliquescent. See Section 7 for further information.  
 POSSIBILITY OF HAZARDOUS REACTIONS ..... None if stored properly.  
 CONDITIONS TO AVOID..... See incompatible materials.  
 INCOMPATIBLE MATERIALS..... Avoid contact with combustible materials.  
 HAZARDOUS DECOMPOSITION PRODUCTS ..... No data available.

## Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
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Iron (III) nitrate nonhydrate	Not available	3250 mg/kg oral rat
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ROUTE OF ENTRY:..... Skin contact, eye contact, possible inhalation.  
 ACUTE EFFECTS..... Irritant.  
 CHRONIC EFFECTS ..... Not all health aspects of this substance have been fully investigated.  
 TARGET ORGANS..... Not available, not all health aspects of this substance have been fully investigated.

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**Section 12: ECOLOGICAL INFORMATION**

ECOTOXICITY..... Data not yet available.

**Section 13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

**Section 14: TRANSPORT INFORMATION**SHIPPING NAME..... UN1466 - FERRIC NITRATE - Class 5.1 - Packing Group III - Ltd Qty (5 kg/11.02 lbs).  
PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.**Section 15: REGULATORY INFORMATION**CEPA STATUS..... DSL - The substance is specified on the public Portion of the Domestic Substances List.  
U.S. TSCA INVENTORY STATUS..... Listed. RCRA code D001.  
EINECS STATUS..... Listed (233-899-5).**Section 16: OTHER INFORMATION**

PREPARED BY: ..... Flinn Scientific Inc.  
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DATE OF LATEST REVISION..... Apr25/15