



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Ferric Nitrate

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Ferric Nitrate
SDS Number: R-100
Revision Date: 11/14/2017
Supplier Details: High Valley Products, Inc.
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Centerville, Utah 84014
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2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Oxidizing Solids, 3
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 A
- Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H272 - May intensify fire; oxidizer
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

GHS Precautionary Statements:

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220 - Keep away from clothing and other combustible materials.
- P221 - Take any precaution to avoid mixing with combustibles...
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 - Wash skin thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302 + P352 - IF ON SKIN: Wash with plenty of water/...
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 - Call a POISON CENTER/doctor/...if you feel unwell.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to local regulations

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
10421-48-4	100%	Ferric nitrate

4 FIRST AID MEASURES

Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact: Remove contaminated clothing immediately. Wash with soap and water. Consult a physician.
Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Consult a physician.
Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
No data available

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid formation of dust. Use personal protective equipment. Always ensure adequate ventilation. Wash hands thoroughly after handling.
Storage Requirements: Keep container tightly closed. Store in cool/dry well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 CEIL: 2 (mg/m3) Consult local authorities for acceptable exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple
Physical State:	Cystraline
Odor:	No data available
Odor Threshold:	No data available
Solubility:	No data available
Spec Grav./Density:	1.68
Viscosity:	No data available
Boiling Point:	No data available
Freezing/Melting Pt.:	No data available
Flash Point:	No data available
Partition Coefficient:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
pH:	No data available
Evap. Rate:	No data available
Auto-Ignition Temp:	No data available
Decomp Temp:	No data available
UFL/LFL:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	May intensify fire; oxidizer.
Conditions to Avoid:	Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Overheating. Open flame.
Materials to Avoid:	Combustibl materials. Strong Oxidizing Agents.
Hazardous Decomposition:	Nitrogen oxides

11 TOXICOLOGICAL INFORMATION

Likely routes of exposure : Inhalation; Skin and eye contact
Acute toxicity : Not classified

LD50 oral rat 3250 mg/kg
ATE US (oral) 3250 mg/kg body weight

Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitization :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
Specific target organ toxicity - single exposure :	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure :	Not classified
Aspiration hazard :	Not classified
Potential Adverse human health effects and symptoms:	Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation :	May cause respiratory irritation.
Symptoms/effects after skin contact :	Causes skin irritation.
Symptoms/effects after eye contact :	Causes serious eye irritation.

No information available.

Dispose of in accordance with local regulations.

UN1466, Ferric nitrate, 5.1, PGIII

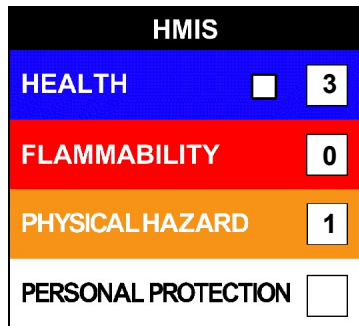
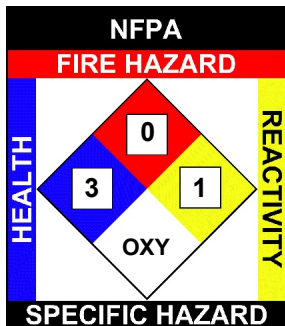
Component (CAS#) [%] - CODES

RQ(1000LBS), Ferric nitrate (10421-48-4) [n/a%] CERCLA, CSWHS, MASS, PA, TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity
 CERCLA = Superfund clean up substance
 CSWHS = Clean Water Act Hazardous substances
 MASS = MA Massachusetts Hazardous Substances List
 PA = PA Right-To-Know List of Hazardous Substances
 TSCA = Toxic Substances Control Act

NFPA: Health = 3, Fire = 0, Reactivity = 1, Specific Hazard = OXY
 HMIS III: Health = 3, Fire = 0, Physical Hazard = 1



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