

Material Safety Data Sheet (MSDS)

Section 1 — Chemical Product and Company Identification

Iron

Flinn Scientific, Inc., P.O. Box 219, Batavia, IL 60510 (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2 — Composition, Information on Ingredients

Iron

CAS#: 7439-89-6

Section 3 — Hazards Identification

Silver-white, malleable metal. Forms: filings, nails, powder, and sheets. Odorless.
Substance not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.
Flammable solid in dust form.

FLINN AT-A-GLANCE

Health-0
Flammability-0
Reactivity-0
Exposure-0
Storage-0

0 is low hazard, 3 is high hazard

Section 4 — First Aid Measures

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.

Section 5 — Fire Fighting Measures

Finely divided iron can be flammable.
Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE

None
Established

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. 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 7 — Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.
Moisture sensitive material.

Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.

Section 9 — Physical and Chemical Properties

Silver-white, malleable metal. Odorless.

Specific Gravity: 7.87

Solubility: Insoluble in water. Soluble in sulfuric, hydrochloric and nitric acids.

Melting Point: 1536 C

Formula: Fe

Formula Weight: 55.85

Section 10 — Stability and Reactivity

Avoid contact with acids, moisture, strong oxidizing agents, halogens, phosphorus and oxygen.

Shelf Life: Indefinite.

Section 11 — Toxicological Information

Acute effects: Harmful dust

ORL-RAT LD50: 30 gm/kg

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.

Section 12 — Ecological Information

Data not yet available.

Section 13 — Disposal Considerations

Please consult with state and local regulations.

Flinn Suggested Disposal Method #26a is one option.

Section 14 — Transport Information

Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

N.A. = Not applicable

Section 15 — Regulatory Information

TSCA-listed, EINECS-listed (231-096-4), RCRA code D001.

Section 16 — Other Information

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