

**GFS CHEMICALS, INC.**  
P.O. Box 245 Powell, OH 43065  
740-881-5501(Tel.) 740-881-5989(Fax)  
1-800-424-9300(Chemtrec 24Hr. Info.)

**MATERIAL SAFETY DATA SHEET**

226

**IRON**

**CHEMICAL NAME & SYNONYMS**

Iron

**DOT CLASS**

NR

**SARA TITLE 313**

No

**TSCA listed** - Yes

**FORMULA**

Fe

**REPORTABLE QUANTITY**

N/A

**F.W.**

55.85

**CAS#**

7439-89-6

**PHYSICAL DATA**

Density 7.86; Melting point 1535°C; Insoluble in water; Soluble in acids.

**APPEARANCE & ODOR**

Metallic flakes or granules.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. Finely divided iron powder can burn in air or react with oxidizers. Reacts with moist air to form rust.

**FIRE HAZARDS**

None. NFPA # 1-0-1

**EXTINGUISHER**

Fight surrounding fire

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Toxic if inhaled in the form of fine dust or fume. Powder or granules irritating to eyes. LD<sub>50</sub>(oral-rat) 30 g/kg. LD<sub>Lo</sub> (ipr-rabbit) 20 mg/kg. Chronic exposure to dust or fume may lead to pancreas or liver disease or diabetes mellitus. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles while handling. Use with proper ventilation to avoid inhalation of dust. Store in well sealed bottle protected from moisture.

**FIRST AID**

Wash skin and eyes thoroughly with water after contact. If eye irritation persists, get medical attention. If swallowed, give water and call a physician. Do not induce vomiting as particles may lodge in throat or windpipe and cause choking.

**SPILLS & LEAKS**

Sweep up, minimizing dust formation and discard into trash can.

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**CATALOG #**

226

**PREPARED BY**

MDM

**DATE**

July 19, 2004