

MATERIAL SAFETY DATA SHEET

None established. (ACGIH 1992-93).

Target organs affected: Respiratory tract.

Iron dust is a skin, eye and mucous membrane irritant. can cause irritation and inflammation of the eyes and lungs. Exercise appropriate procedures to minimize potential hazards.

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with soap and water. **INHALATION AS DUST:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms of illness develop, get medical attention.

Oxidizes readily in moist air.

Strong oxidizers, organic acids. Mineral acids, water.

None.

Not applicable.

Sweep up for recycling or place in a suitable container for disposal.

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Uncontaminated material may be disposed of in a sanitary landfill.

SPECIAL PROTECTION INFORMATION

None should be needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or respirator.

Recommended. Recommended. No. No.

None needed. Eye Protection Chemical safety glasses.

Goggles, eye wash station, lab coat.

SPECIAL PRECAUTIONS

Store in a cool, dry place, away from acids and oxidizers. Wash thoroughly after handling.

Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 7 Date 3/16/99 Approved Michael Raszeja Chemical Safety Coordinator MR

24 HOUR EMERGENCY ASSISTANCE

Product	IRON METAL FILINGS	Health	1
Chemical Synonyms	Iron Metal	Fire	3
Formula	Fe	Reactivity	1
Unit Size	up to 2.5 Kg.	HMIS *	
C.A.S. No.	7439-89-6	LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Iron Metal	100%	None established.

CAUTION! IRON DUST DISPERSED IN AIR MAY

CONSTITUTE A FIRE AND/OR EXPLOSION HAZARD.

PHYSICAL DATA

Melting Point (°F)	1371 - 1483°C	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°F)	2850 - 3150°C	Percent Volatile by Volume (%)	Negligible.
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (= 1)	Not applicable.
Vapor Density (Air=1)	N/A		

Insoluble.

Gray-black angular particles; no odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	Lower	Upper
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Use dry chemical or sand.

SPECIAL FIREFIGHTING PROCEDURES

Wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

A fire hazard in the form of a fine dust dispersed in air or by chemical reaction with strong oxidizers can be an explosion hazard, especially when heated.

D.O.T. NON REGULATED.

Approved by U.S. Department of Labor *essentially similar* to form OSHA-20