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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION Fe	PRODUCT NAME Iron
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Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
Iron	7439-89-6	100	N/A	5mg/m³ (for Fe2O3 fumes as Fe)

Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR Grey Metallic Powder, pieces, odorless
MELTING POINT (BASE METAL) 1535	SPECIFIC GRAVITY

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits Very low as powder	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Agent for metal fires (like G-1 powder, MET-L-X or TEC)			
SPECIAL FIRED FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

Section 5- REACTIVITY DATA

STABILITY Stable	INCOMPATIBILITY (MATERIALS TO AVOID) None
CONDITIONS TO AVOID None	
HAZARDOUS DECOMPOSITION PRODUCTS None	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation **Skin** **Skin Absorption** **Eye Contact** **Ingestion**

INHALATION: Inhalation of iron or iron oxide on an acute basis has not been shown to produce pulmonary injury. Very long exposure can cause a form of benign pneumoconiosis.

DERMAL/EYE CONTACT: Mild irritation to the eye. Not considered a primary skin irritant.

INGESTION: Iron possesses a low order of toxicity, but ingestion of large amounts can cause iron poisoning.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove from exposed area to fresh

INGESTION: Give 1-2 glasses of milk or water and induce vomiting.

EYE CONTACT: Flush eyes to remove particles.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Vacuum equipped with HEPA filter.

WASTE DISPOSAL METHODS

May be disposed of with normal refuse.

Section 8- SPECIAL PROTECTION

RESPIRATORY

Half-mask air purifying respirator for dusty conditions.

VENTILATION

Local exhaust recommended with adequate ventilation.

EYE PROTECTION & PROTECTIVE CLOTHING

Safety glasses

Section 9- SPECIAL PRECAUTIONS

Wash thoroughly after handling. Keep container closed.

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