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## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>Fe</b>	PRODUCT NAME <b>Iron</b>
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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)
<b>Iron</b>	<b>7439-89-6</b>	<b>100</b>	<b>N/A</b>	<b>5mg/m<sup>3</sup></b> <b>(for Fe2O3 fumes as Fe)</b>

### 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 <b>Grey Metallic Powder, pieces, odorless</b>
MELTING POINT (BASE METAL)  <b>1535</b>	SPECIFIC GRAVITY

### Section 4- FIRE AND EXPLOSION

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

### Section 5- REACTIVITY DATA

STABILITY <b>Stable</b>	INCOMPATABILITY (MATERIALS TO AVOID) <b>None</b>
CONDITIONS TO AVOID <b>None</b>	
HAZARDOUS DECOMPOSITION PRODUCTS <b>None</b>	

### 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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