

# Material Safety Data Sheet

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**Emergency Phone Numbers:**

**CHEMTREC: 800-424-9300**

**POISON CENTER: 800-562-8236**

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## **Section 1:**

### **Product Identification**

**Chemical Name(s) and Synonym(s):** Iron Oxide      **Formula:** Fe<sub>2</sub>O<sub>3</sub>

**Chemical Family:** Metal Oxide

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## **Section 2:**

### **Ingredients/Summary of Hazards**

<b><u>Ingredient(s)</u></b>	<b><u>CAS #</u></b>	<b><u>%</u></b>	<b><u>TLV</u></b>	<b><u>OSHA PEL</u></b>
Iron Oxide	1309-37-1	100	5mgFe/m <sup>3</sup>	10mgFe/m <sup>3</sup>

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## **Section 3:**

### **Physical Data**

Boiling Point (°C): **N/D**

Vapor Pressure: **N/A**

% Volatile by Volume: **N/A**

Evaporation Rate: **N/A**

Melting Point (°C): **1565°C**

Solubility w/ Water: **Insoluble**

Appearance/Odor: **Reddish brown powder, no odor.**

Physical State: **Solid**

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## **Section 4:**

### **Fire and Explosion Hazard Data**

Flashpoint/Method: **N/A**

Auto ignition Temp (°C): **N/A**

Flammability: **Non flammable**

Extinguishing Media:  Water       Foam       Class D Extinguisher

Dry Chemical       CO<sub>2</sub>       Other

Usual Fire and Explosion Hazards: **Unknown**

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**Section 5:  
Health Hazard Data**

**Stability:** Stable

**Conditions to Avoid:** Iron Oxide fumes

**Incompatibilities:** Reacts violently with Al, N<sub>2</sub>H<sub>4</sub> and Ethylene Oxide.

**Hazardous Decomposition Products:** Toxic fumes.

**Effects of Overexposure (acute and chronic)**

**Inhalation:** Unknown

**Dermal/Eye Contact:** Unknown

**Ingestion:** Unknown

**Skin:** Remove contaminated clothing, flood skin with large amounts of water.

**Eyes:** May cause irritation, flush with water.

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**Section 6:  
Spill or Leak Procedures**

**Steps to be taken in case material is released or spilled:** Wearing appropriate respiratory and protective clothing. Isolate the spill area, provide proper ventilation and extinguish sources of ignition. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a container for proper disposal. Take care not to raise dust. Use non-sparking tools.

**Waste Disposal Method:** In accordance with state, local and federal regulations.

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**Section 8  
Special Protective Information**

**Respiratory Protection:** (specify type) NIOSH approved respirator.

**Ventilation:** Local Exhaust: Recommended

**Protective Gloves:** Impervious gloves

**Eye Protection:** Safety glasses

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**Section 9  
Special Precautions and Transportation Regulations**

**Precautions to be taken in handling and storing:** Store in tightly closed containers in a cool, dry place. Wash hands and face thoroughly.

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**N/D = Do Data Found**

**N/A= Not Applicable**

**Revised: 01/07/05**