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: Fe2O3
Chemical Family: Metal Oxide

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Section 2:
Ingredients/Summary of Hazards

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>%</th>
<th>TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide</td>
<td>1309-37-1</td>
<td>100</td>
<td>5mgFe/m³</td>
<td>10mgFe/m³</td>
</tr>
</tbody>
</table>

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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: (x) Water  ( ) Foam  ( ) Class D Extinguisher
             (x) Dry Chemical  (x) CO²  ( ) 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, N2H4 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.

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.

Section 8
Special Protective Information

**Respiratory Protection:** (specify type) NIOSH approved respirator.
**Ventilation:** Local Exhaust: Recommended
**Protective Gloves:** Impervious gloves
**Eye Protection:** Safety glasses

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.

N/ D = Do Data Found  N/A= Not Applicable