Material Name: Iron Ore

### Section 1 - Product and Company Identification

**Manufacturer Information**
CALPORTLAND COMPANY  
2025 E. Financial Way  
Glendora, CA  91741  
Phone: 626-852-6200  
www.calportland.com

### Section 2 - Hazards Identification

**GHS Classification:**  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 2B  
Carcinogenicity - Category 2  
Specific Target Organ Toxicity Single Exposure - Category 3

**GHS LABEL ELEMENTS**

**Symbol(s)**

![Warning Symbol]

**Signal Word**
Warning

**Hazard Statements**
- Causes skin irritation.
- Causes eye irritation.
- Suspected of causing cancer.
- May cause respiratory irritation.

**Precautionary Statements**

**Prevention**
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid breathing dust.
- Use only outdoors or in a well-ventilated area.
**Safety Data Sheet**

**Material Name: Iron Ore**

**Response**
If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

**Storage**
Store in an appropriate container or containment structure.

**Disposal**
Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Section 3 - Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1309-37-1</td>
<td>Iron oxide (Fe2O3)</td>
<td>&gt;85</td>
</tr>
<tr>
<td>1317-61-9</td>
<td>Ferric oxide black</td>
<td>15</td>
</tr>
</tbody>
</table>

**Component Information/Information on Non-Hazardous Components**

**General Product Information**
Trace Elements: These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

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**Section 4 - First Aid Measures**

**First Aid: Eyes**
In case of contact, do not rub or scratch your eyes. If eye contact occurs immediately flush eyes with copious amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.

**First Aid: Skin**
Flush exposed skin with copious amounts of water for at least 15 minutes depending on concentration, amount and duration of exposure. Wash with mild soap and water. Immediately remove all contaminated clothing, including footwear. Call physician if irritation persists.

**First Aid: Ingestion**
Do not induce vomiting. If conscious give person 1 to 2 glasses of water. If vomiting occurs spontaneously, lower head to avoid aspiration into lungs. Seek medical attention immediately.

**First Aid: Inhalation**
Remove to fresh air. Allow the victim to rest in a well-ventilated area. Seek medical help if coughing and other symptoms do not subside.

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**Section 5 - Fire Fighting Measures**

**General Fire Hazards**
See Section 9 for Flammability Properties.
None
Hazardous Combustion Products
None

Extinguishing Media
Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media
None

Fire Fighting Equipment/Instructions
Firefighters should wear full protective gear.

*** Section 6 - Accidental Release Measures ***

Recovery and Neutralization
Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Dust could contain free crystalline silica. Wear appropriate personal protective equipment as described in Section 8.

Materials and Methods for Clean-Up
Use water/wet methods whenever mixing materials or cleaning up a spill of the material.

Emergency Measures
Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment
Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions
None

Prevention of Secondary Hazards
None

*** Section 7 - Handling and Storage ***

Handling Procedures
Avoid dust contact with eyes. Wear the appropriate eye protection against dust. Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded. Use good safety and industrial hygiene practices.

Storage Procedures
Store in a ventilated area away from sources of heat, moisture and incompatible materials.

Incompatibilities
None.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits
Iron oxide (Fe2O3) (1309-37-1)

ACGIH: 5 mg/m3 TWA (respirable fraction)
OSHA: 10 mg/m3 TWA (fume)
NIOSH: 5 mg/m3 TWA (dust and fume, as Fe)

Engineering Measures
Use local exhaust or general dilution ventilation to control exposure within applicable limits.
Safety Data Sheet

Material Name: Iron Ore

Personal Protective Equipment: Respiratory
Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.

Personal Protective Equipment: Hands
Where prolonged exposure to products might occur, wear impervious gloves to eliminate skin contact.

Personal Protective Equipment: Eyes
When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with ingredients.

Personal Protective Equipment: Skin and Body
Normal work clothing (long sleeved shirts and long pants) is recommended.

*** Section 9 - Physical & Chemical Properties ***

<table>
<thead>
<tr>
<th>Appearance:</th>
<th>Red to Black Granular</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Solid/Powder</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Solubility (H2O):</td>
<td>Negligible</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Octanol/H2O Coeff.:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flash Point Method:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Odor:</td>
<td>No Odor</td>
</tr>
<tr>
<td>pH:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>VOC:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>None</td>
</tr>
<tr>
<td>Upper Flammability Limit (UFL):</td>
<td>None</td>
</tr>
<tr>
<td>Lower Flammability Limit (LFL):</td>
<td>None</td>
</tr>
<tr>
<td>Burning Rate:</td>
<td>None</td>
</tr>
</tbody>
</table>

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability
Stable in dry air but readily oxidizes in moist air forming rust.

Hazardous Reaction Potential
Will not occur.

Conditions to Avoid
Contact with incompatibles.

Incompatible Products
None.

Hazardous Decomposition Products
None.
*** Section 11 - Toxicological Information ***

Acute Toxicity

Component Analysis - LD50/LC50
Iron oxide (Fe2O3) (1309-37-1)
Oral LD50 Rat >10000 mg/kg

Ferric oxide black (1317-61-9)
Oral LD50 Rat >10000 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness
Exposure to granular material could cause skin abrasion.

Potential Health Effects: Eye Critical Damage/ Stimulativeness
Dust can cause mechanical irritation of eyes. Possible destruction of eye tissue if dust is not washed from the eye.

Potential Health Effects: Ingestion
Ingestion of large amounts may cause gastrointestinal harm.

Potential Health Effects: Inhalation
Exposure to dust generated during the handling or use of the product may irritate eyes, skin, nose, throat and upper respiratory tract.

Respiratory Organs Sensitization/Skin Sensitization
This product is not reported to have any sensitization effects.

Generative Cell Mutagenicity
This product is not reported to have any mutagenic effects.

Carcinogenicity
A: General Product Information
Suspected of causing cancer.

B: Component Carcinogenicity
Iron oxide (Fe2O3) (1309-37-1)
ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: Supplement 7 [1987]; Monograph 1 [1972] (Group 3 (not classifiable))

Reproductive Toxicity
This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure
This product is not reported to have any single exposure specific target organ toxicity effects.

Specified Target Organ General Toxicity: Repeated Exposure
May cause respiratory irritation.

Aspiration Respiratory Organs Hazard
This product is not reported to have any aspiration hazard effects.
**Section 12 - Ecological Information**

**Ecotoxicity**

A: General Product Information

This product is not reported to have any ecotoxicity effects.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxcity data are available for this product's components.

**Persistence/Degradability**

No information available for the product.

**Bioaccumulation**

No information available for the product.

**Mobility in Soil**

No information available for the product.

**Section 13 - Disposal Considerations**

**Waste Disposal Instructions**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

**Disposal of Contaminated Containers or Packaging**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Section 14 - Transportation Information**

**DOT Information**

Shipping Name: Not Regulated

**Section 15 - Regulatory Information**

**Regulatory Information**

**US Federal Regulations**

**Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**State Regulations**

**Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide (Fe2O3)</td>
<td>1309-37-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.
Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Minimum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>1 %</td>
</tr>
</tbody>
</table>

Additional Regulatory Information

Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Ferric oxide black</td>
<td>1317-61-9</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
</tbody>
</table>

*** Section 16 - Other Information ***

Hazardous Material Information System (HMIS):

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
Protective Equipment: Safety glasses, gloves

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Literature References

None
Other Information

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ANY INFORMATION PROVIDED BY CALPORTLAND, except that the product shall conform to contracted
specifications. The information provided herein was believed by CalPortland Company to be accurate at the time
of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate
and understand other pertinent sources of information to comply with all laws and procedures applicable to the
safe handling and use of the product and to determine the suitability of the product for its intended use. Buyer’s
exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for
nondelivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be
greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In
no event shall Seller be liable for incidental or consequential damages, whether Buyer’s claim is based on
contract, breach of warranty, negligence or otherwise.

End of Sheet