



Hummel Croton Inc.  
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In Case Of Emergency Call Chemtrec®  
(U.S.) (800) 424-9300  
(International) (703) 527-3887

## Iron Oxide, Red Safety Data Sheet

### 1. Product and Company

Product name: Ferric Oxide  
Synonym: Ferric Sesquioxide, Jeweler's Rouge  
CAS-No.: 1309-37-1  
Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080  
Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	0
Flammability	1
Reactivity	1
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
Chemtrec International: 703-527-3887

### 2. Hazards

GHS Classification Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

#### GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

**3. Composition/Ingredients**

**Substance**

Formula:  $\text{Fe}_2\text{O}_3$   
Molecular weight: 159.69 g/mol  
CAS-No.: 1309-37-1

Material	CAS	%	OSHA	ACGIH
Iron Oxide Red	1309-37-1	100%	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

**4. First Aid**

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

**5. Fire Data**

Flammability: Non-Flammable

Flash Point: Not Applicable  
Auto Ignition: Not Applicable  
Flammable Limits: Not Applicable  
Extinguishing Media: Cover with dry silica sand.  
Fire Fighting Procedure: Isolate material. Minimize breathing vapors, gases or fumes of decomposition products. Do not enter any enclosed or confined fire space without proper protective equipment including self-contained breathing apparatus.  
Fire/Explosion Hazards: If material does ignite, molten slag and steel are produced. Avoid incompatible materials.

## **6. Accidental Release**

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

## **7. Handling And Storage**

Storage Temperatures: Store at ambient temperature  
Shelf Life: Unlimited in tightly sealed container  
Special Sensitivity: None.  
Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## **8. Exposure Controls/Personal Protection**

Eye Protection: Safety glasses or goggles.  
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.  
Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.  
Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.  
Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## **9. Physical And Chemical Properties**

Physical Form: Granular  
Color: Gray to Black  
Odor: Odorless  
Molecular Weight: 159.69 g/mol  
Boiling Point: Not Established  
Melting/Freezing Point: 1565°C  
Solubility In Water: Insoluble  
Specific Gravity: 5.24

## **10. Stability And Reactivity**

Stability: Stable.  
Hazardous Polymerization: Will not occur.  
Incompatibilities: Strong acids, peroxides and chloroformates.  
Instable Conditions: Excessive temperatures (see incompatibilities).  
Decomposition Temperature: N/A  
Decomposition Products:None

## 11. Toxicological Information

RTECS Number: NO7400000  
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.  
Toxicity Data: Ipr-Rat LD50: 5500 mg/kg Ipr-Mus LD50: 5400 mg/kg  
Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.  
Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

## 12. Ecological Information

Ecotoxicity: Not available at this time.

## 13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## 14. Transportation Information

Proper Shipping Name: Iron Oxide Red  
UN Number: N/A  
Class: N/A  
P.G.: N/A  
Label Code: N/A

## 15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.  
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List  
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.  
SARA 313 Title III:  
Section 320 Extremely Hazardous Substances: None  
Section 311/312 Hazardous Categories: None  
Section 313 Toxic Chemicals: None

## 16. Other Information

Prepared By: Michael Richard

Date: June 1, 2015

Reason For Issue: GHS Compliance

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