



Product Code: RIO-0050-BAG  
Product Name: Red Iron Oxide 50 lb Bag

HMIS CODES: H F R P  
1\*1 1 E

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** Dynamic Color Solutions, Inc.  
**ADDRESS:** 2024 S. Lenox Street  
Milwaukee, WI 53207

**EMERGENCY PHONE :** 414-769-2580      **DATE PRINTED :** 3/12/2008  
**INFORMATION PHONE :** 414-769-2580      **APPROVED BY:** Cathy Higgins

**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT	
* Iron Oxide	1309-37-1	NA	NA	Range Not Found
Iron Oxide 1309-37-1 OSHA PEL 10mg/m3 ACGIH TLV 5mg/m (TWA) 80-99% Fe2O3				
Silica, Crystalline Quartz (respirable) 14808-60-7 OSHA PEL 10mg/m3 SiO2 + 2 ACGIH TLV .05mg/m3 TWA 1-9% SiO2 Aluminum Oxide (total) 1344-28-1 OSHA 15mg/m3 ACGIH TLV 10mg/m3 .5-3% Al2O3, Magnesium Oxide 1309-48-4 ACGIH 10mg/m3 TWA .1-1% MgO Calcium Oxide 1305-78-8 OSHA PEL 5 mg/m3 ACGIH TLV 2 mg/m3 TWA .1-1% CaO				
OSHA PEL May vary depending on concentration. 29GFR1910.1000 Table Z3				

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING RANGE:** N/A      **SPECIFIC GRAVITY (H2O=1):** 5.  
**VAPOR DENSITY:** N/A      **EVAPORATION RATE:** N/A  
**COATING V.O.C.:** 0.0 lb/gl      **MATERIAL V.O.C.:** 0.0 lb/gl  
**SOLUBILITY IN WATER:** Insoluble  
**APPEARANCE (SOLID, LIQUID, GAS) AND ODOR:** Solid-Powder, Odorless

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** N/A      **METHOD USED:** N/A  
**FLAMMABLE LIMITS IN AIR BY VOLUME:**      **LOWER:** N/A      **UPPER:** N/A

**EXTINGUISHING MEDIA:** All Media - No Fire Hazard  
**SPECIAL FIREFIGHTING PROCEDURES**  
Use appropriate extinguishing media for the combustible material involved.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
Firefighters should use self contained breathing apparatus.

**SECTION V - REACTIVITY DATA**

**STABILITY:**



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Stable

**CONDITIONS TO AVOID**

None

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

None

**HAZARDOUS POLYMERIZATION:**

Does not occur.

**SECTION VI - HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause irritation of mucous membrane or delayed respiratory disease if dust is inhaled over a prolonged period of time.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause mechanical skin and eye irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

None

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

(Acute/chronic) Ingestion of large amounts may cause intestinal distress.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Prolonged or repeated exposure may cause lung injury including silicosis. This product may contain crystalline silica. Prolonged exposure to crystalline silica has caused cancer in laboratory animals. Some human studies indicate potential for lung cancer from crystalline silica exposure. Risk of injury depends on duration and level of exposure.

**CARCINOGENICITY:**

**NTP CARCINOGEN:**

Yes

**IARC MONOGRAPHS:**

Yes (Silica)

**OSHA REGULATED:**

Yes

\*\*\*\*This product is considered a carcinogen by one or more of the following: IARC, NTP, ACGIH, or OSHA\*\*\*\*

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Person with impaired respiratory function may be more susceptible to the effect of this substance.

**EMERGENCY AND FIRST AID PROCEDURES**

**Eye Contact:** Flush eyes with generous amounts of water for at least 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Wash skin with soap and water.

**Inhalation:** Remove to fresh air. Call a physician.

**Ingestion:** If conscious, give large amounts of water to induce vomiting. Get medical attention.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Material can be handled as normal solid waste; scoop up and place in waste container.

**WASTE DISPOSAL METHOD**

Waste material can be buried in an approved landfill or handled as inert waste



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in accordance with Federal, State and local environmental regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store dry at ambient temperatures away from food and drink.

**OTHER PRECAUTIONS**

None

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION**

Type 3M or equal; NIOSH, OSHA approved.

**VENTILATION**

Local exhaust to remove airborne dust.

**PROTECTIVE GLOVES**

Rubber, cloth or plastic.

**EYE PROTECTION**

Safety glasses.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

None

**WORK/HYGIENIC PRACTICES**

In accordance with good industrial hygiene practice, avoid contact with skin, eyes or clothing. Avoid breathing dust. Keep away from food products. Keep containers closed when not in use. Use with adequate ventilation. Wash thoroughly after handling and before eating, drinking, or using any tobacco products.

**SECTION IX - DISCLAIMER**

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