

# MATERIAL SAFETY DATA SHEET



Rockwood Pigments Inc.  
2051 Lynch Avenue  
East St. Louis, IL 62205

Product:  
MSDS No.  
Revision:  
Date:

YELLOW IRON OXIDE  
PIGMENT / EPI-018  
Revision 8  
September 2007

## HAZARD MATERIAL IDENTIFICATION SYSTEM

Health Hazard	0 - Minimal
Flammability Hazard	0 - Minimal
Reactivity Hazard	0 - Minimal
Personal Protection	E - Glasses, Gloves, Dust Resp

### SECTION I.

### MATERIAL IDENTIFICATION

Trade/Material Name: YELLOW IRON OXIDE

Description: Yellow Iron Oxide, C.I. Pigment Yellow 42. C.I. No. 77492

Other Designations: Y-0220  
YD-1888  
YB-2087, YB-2097, YB-2900, YB-3100, YB-5900,  
YO-2087, YO-2288, YO-2587, YO-2600, YO-2900, YO-3587,  
YO-4900, YO-5087, YO-5286, YO-5900, YO-6087, YO-8087,  
YK-3587,  
YLO-1888D, YLO-1988D, YLO-2288D, YLO-3288D, YLO-4088D  
YP-1700, YP-1750, YP-2087, YP-2100, YP-2100NF,  
YV-1888, YV-1988, YV-2288, YLV-1900, YLV-1950,  
YS-3587, YZ-1688, YZ-1888, YZ-1988, YZ-2288, YZ-3288, YZ-4088  
EP-1700, EP-1750, EP-2100  
AP-1700, AP-1750, CX-9802

CAS: 51274-00-1

Chemical Name: Fe<sub>2</sub>O<sub>3</sub>·H<sub>2</sub>O

MANUFACTURER: Rockwood Pigments Inc. PHONE: 618-646-2201  
2051 Lynch Avenue E. St. Louis Plant  
East St. Louis, IL 62205

### SECTION II.

### INGREDIENTS AND HAZARDS

<u>INGREDIENT NAME:</u>	<u>CAS NUMBER:</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS(1)</u>
Iron Oxide Yellow	51274-00-1	>99	ACGIH TLV: 5 mg/M <sup>3</sup> TWA OSHA PEL: 10 mg/M <sup>3</sup> *

\*Iron Oxide Fume  
(1) Nuisance dust

(Ingredients and Hazards continued on next page)

SARA TITLE III: Section 313 Supplier Notification

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

*SECTION III.*

*PHYSICAL/CHEMICAL CHARACTERISTICS*

Appearance and Odor: Yellow Powder, No Odor

Solubility in Water (%): Insoluble

Specific Gravity (H<sub>2</sub>O=1): 4.03

% Volatile by Volume: 0

*SECTION IV.*

*FIRE AND EXPLOSION DATA*

Flash Point (method): Not flammable

Extinguishing Media: Not flammable. Use appropriate extinguishing media for the combustible material involved in the fire.

Unusual Fire or Explosion Hazards: None

Special Firefighting Procedures: Firefighters should use self-contained breathing apparatus.

*SECTION V.*

*REACTIVITY DATA*

Material is stable - Hazardous polymerization will not occur

Chemical incompatibilities: It is incompatible with hydrazine, calcium hypochlorite, performic acid, and bromine pentafluoride.

Conditions to avoid: None

Hazardous Decomposition Products: None

This product is not considered a carcinogen by IARC, NTP, ACGIH or OSHA.

Summary of Health Risks  
and Symptoms of Exposure:

May cause mechanical skin and eye irritation. Repeated and prolonged exposures to iron oxide dust may cause a benign pneumoconiosis called siderosis.

Principal Routes of Entry:

Inhalation, ingestion, skin and eye irritation

Accute Effects:

Causes mechanical skin and eye irritation.

Chronic Health Effects(s):

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

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 mild soap and water.

Inhalation:

Remove to fresh air. Call a physician.

Ingestion:

If conscious, give large quantities of water to induce vomiting. Get medical attention.

## SECTION VII.

## PRECAUTIONS FOR SAFE HANDLING, USE OR DISPOSAL

Spill / Leak procedures:

Vacuum or use wet clean-up techniques and place waste material in closed container.

Waste management / disposal:

Disposal must be made in accordance with Federal, State and local regulations. Pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA). Regulations currently in effect, discarded Iron Oxide would not be classified as a hazardous waste.

Precautions to be taken  
in handling and storing:

For transportation emergencies, call CHEMTREC, 24 hour information service, (800) 424-9300.

Personal protective equipment:

- Goggles: Wear safety glasses or goggles to protect against dust particles.
- Gloves: Leather or rubber gloves.
- Respirator: Use of NIOSH approved dust respirator is recommended when exposure limits may be exceeded.

Workplace Considerations:

- Ventilation: Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.
- Safety Stations: An eye wash station should be available to the area of use.
- Other: In accordance with good industrial hygiene practice, avoid contact with skin, eyes or clothing. Avoid breathing dust. Keep away from food products. Keep container closed when not in use. Use with adequate, localized ventilation. Wash thoroughly after handling and before eating, drinking or using tobacco products.

DOT Class: Not regulated



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