

# MATERIAL SAFETY DATA SHEET

Product	KROMA® RED IRON OXIDE
MSDS No	PIGMENT / EPI-016
Revision	Revision 5
Date	July 2005

## HAZARD MATERIAL IDENTIFICATION SYSTEM

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

### 11 SECTION I

### MATERIAL IDENTIFICATION

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<u>Trade/Material Name</u>	KROMA® RED IRON OXIDE, TRUCOLOR RED IRON OXIDE
<u>Description</u>	Red Iron Oxide, C I Pigment Red 101 C I No 77491
<u>Other Designations</u>	RO-1078, RO-1597, RO-1630, RO-1640, RO-1646, RO-1655 RO-2097, RO-2597, RO-3097, RO-3197, RO-4097, RO-4200 RO5097, RO-6097, RO-7097, RO-8097 RB-2199, RB-3097, RB-3150, RB-3490, RB-3497, RB-3500, RB-3550, RB-3875, RB-4097, RB-5096, RB-6097 RR-2097, RR-2597, RR-3097, RR-4097, RR-4597, RR5097, RR-6097, RR-6597, RR-7097, RR-7597, RR-8097, RR8597, RS-3896, MR-3097
CAS	1332-37-2
<u>Chemical Name</u>	Fe <sub>2</sub> O <sub>3</sub>

### SECTION II

### INGREDIENTS AND HAZARDS

INGREDIENT NAME	CAS NUMBER	PERCENT	EXPOSURE LIMITS
Iron Oxide TWA	1332-37-2	>97	ACGIH TLV 5 mg/M <sup>3</sup>
			OSHA PEL 10 mg/M <sup>3</sup> *

\*Iron Oxide Fume  
(1) Nuisance Dust

(Ingredients and Hazards continued on next page)

(Ingredients and Hazards continued from previous 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 \_\_\_\_\_ Red to Reddish Brown Powder, No Odor

Solubility in Water (%) \_\_\_\_\_ Insoluble

Specific Gravity (H<sub>2</sub>O=1) \_\_\_\_\_ 49

% 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, per-formic acid, and bromine pentafluoride

Conditions to avoid \_\_\_\_\_ None

Hazardous Decomposition Products None

SECTION VI

HEALTH HAZARD DATA

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

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

SECTION VIII

SPECIAL PROTECTION INFORMATION

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 <i>away</i> 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

*SECTION IX*

*SPECIAL PRECAUTIONS*

DOT Class \_\_\_\_\_ Not regulated

Prepared/revised by G Podolsky

July 2005

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