MATERIAL SAFETY DATA SHEET

Elementis Pigments Inc
11 Executive Dr , Suite 1
Fairview Heights, IL 62208

Product	BLENDED IRON OXIDE
MSDS No	PIGMENT / EPI-027
Revision	Original
Date	January 1998

HAZARD MATERIAL IDENTIFICATION SYSTEM

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

SECTION I MATERIAL IDENTIFICATION

Trade/Material Name: BLENDED IRON OXIDE

Description: Iron Oxide

Other Designations: B-0804, B-1697, B-1894, B-2091, B-2295, B-2590, B-2690, B-2760, B-2790, B-3394, B-3590, B-3595, B-3690, B-4190, B-4292, B-4492, B-4691, B-4792, B-4999, B-5095, B-5589, B-5687, B-5688, B-5690, B-5695, B-5790, B-6090, B-6091, B-6391, B-6795, B-6880, B-6997, B-7489, B-7597, B-7690, B-7697, B-8290, B-8590, B-8690, VP-1199, VP-5695 and custom blends

Chemical Name: $Fe_2O_3 \cdot H_2O + Fe_2O_3 + Fe_3O_4$

MANUFACTURER: Elementis Pigments Inc
11 Executive Dr , Suite 1
Fairview Heights, IL 62208

PHONE 618-271-4700
E St Louis Plant

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT NAME	CAS NUMBER	PERCENT	EXPOSURE LIMITS
Iron Oxide Yellow	51274-00-1	**	ACGIH TLV 5 mg/M³ TWA (Iron Oxide Fume as Fe)
Iron Oxide Red	1332-37-2	**	OSHA STEL 10 ppm (Iron Oxide Fume as Fe)
Iron Oxide Black	1317-61-9	**	

**Application Specific

(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	Brown Powder, No Odor
Solubility in Water (%)	Insoluble
Specific Gravity (H_2O 1)	3.9-4.2
% 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

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Personal protective equipment

Goggles	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

SECTION IX. SPECIAL PRECAUTIONS

DOT Class	Not regulated

Prepared/revised by R E Rader

January 1998

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