

**SECTION 1**

PRODUCT NAME: **PT Natural Red Iron Oxide**  
PRODUCT DESCRIPTION: Reddish-Brown Powder CAS# 1317-60-8  
CHEMICAL FAMILY: Inorganic Pigment (s)  
REVISION DATE: 05/04/05 PRINT DATE: 05/04/05 PRINT TIME: 08:36

**SECTION II - HAZARDOUS MATERIAL IDENTIFICATION**

Hazard	CAS #	WT/Wt	% Less Than
ALUMINIUM OXIDE ACGIH TLV: 10 MG/M3(TOTAL) (TWA); OSHA PEL: 15 MG/M3(TOTAL) (TWA); OSHA TWA: 5 mg/m3 (Resp.)	1344-28-1	1.0	
CRYSTALLINE SILICA, QUARTZ (TOTAL) ACGIH TLV: *0.05 MG/M3 (TWA); OSHA PEL: *0.10 MG/M3 (TWA); *Respirable limits for particles < 10 um AD.	14808-60-7	2.0	
IRON OXIDE (FUME) - FE2O3 ACGIH TLV: ** (TWA); OSHA PEL: ** (TWA);	1309-37-1	97.0	

\*\* Under normal conditions, when material is used as apigment, no hazardous conditions exist. If this is heated to produce anIron Oxide Fume or Gas, such as those encountered in welding or smelting, ACGIH has issued a TLV of 5 mg/m3 and OSHA has set a PEL of 10 mg/m3.

NUISANCE DUST - This material is considered following exposure limits for this material: Please also observe the

OSHA - PEL = 15 mg/m3 (Total Dust) 5 mg/m3 (Respirable Dust)

APPEARANCE: SPECIFIC GRAVITY: TAP DENSITY: SOLUBILITY (H2O) COLOR  
PH  
BOILING POINT MELTING POINT ODOR  
VOLATILE, %

**SECTION III - PHYSICAL DATA**

POWDER  
5.0 g/cc  
1.5 g/cc  
INSOLUBLE  
BROWN  
7.0 N/A N/A NONE N/A

**SECTION IV: FIRE AND EXPLOSION**

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FLASH POINT: None  
FLAMMABLE LIMIT: None Applicable.  
EXTINGUISHING MEDIA: Dry Chemical, Foam, or CO2. A water mist, fog or spray can be used to control dusting and cool the material.  
FIRE FIGHTING PROTECTION: Firefighters should wear self-contained breathing apparatus and

full protective clothing.

UNUSUAL FIRE OR EXPLOSION HAZARDS: This material is a very fine dust, avoid the use of high pressure water, which could spread burning material and create hazardous dust conditions.

#### **SECTION V: REACTIVITY DATA**

STABILITY: Stable under normal conditions.

POTENTIAL CONDITIONS FOR REACTIONS: None

POLYMERIZATION: None will occur

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

#### **SECTION VI: HEALTH HAZARD DATA**

RISK SUMMARY: Eye & Skin contact may cause irritation. Prolonged inhalation at excessive dust levels may cause damage to the lungs and respiratory tract.

ADDITIONAL RISK SUMMARY: This material contains crystalline silica, either in the form of quartz, cristobalite and/or tridimite, an IARC probable carcinogen. Long-Term repeated exposure to excessive levels of crystalline silica dust may cause silicosis, a progressive and sometimes fatal lung disease.

PRIMARY ENTRY ROUTES: Inhalation, ingestion, and/or eye contact.

ACUTE EFFECTS: May cause minor eye, skin, and/or respiratory tract irritations. May irritate pre-existing respiratory diseases such as asthma.

CHRONIC EFFECTS: Prolonged inhalation at excessive dust levels may cause damage to the lungs and/or respiratory tract.

EYE CONTACT: Flush thoroughly with large amounts of water. Get medical attention if irritation persists.

SKIN CONTACT: Wash with mild soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

INHALATION: Remove to fresh air and get medical help for any breathing difficulties.

INGESTION: Rinse mouth with water, give subject liquids to drink and do not induce vomiting. Seek medical assistance if any problems arise.

#### **SECTION VII: SPILLS, LEAKS, & DISPOSAL PROCEDURES**

SPILLS & LEAKS: Vacuum or scoop up spilled material and dispose of in an appropriate waste container. Misting with water or absorbent dust control products may help to keep airborne dust levels at a minimum. Provide proper ventilation and personal protection equipment for use during cleanup.

WASTE DISPOSAL: Waste material can be buried in an approved landfill in accordance with Federal, State, and Local environmental regulations. According to 40 CFR, Part 261 of the Resource, Conservation, and Recovery Act (RCRA), this product is not classified as a hazardous material.

SPECIAL HANDLING INFORMATION: Provide adequate ventilation when handling this material, material is apt to dust. Material may become slippery when wet.

#### **SECTION VIII: PROTECTION EQUIPMENT**

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RESPIRATOR TYPE: NIOSH approved dust respirator suggested. Approved dust respirators are required when dust exceeds recommended TLV.

EYE PROTECTION: Safety glasses with side shields or goggles are suggested.

GLOVES: Cloth, leather, rubber, or plastic gloves suggested.

OTHER SUGGESTED PROTECTION EQUIPMENT: Provide an adequate exhaust system that is filtered, to avoid contaminating the environment, and that meets the TLV requirements in the work area. Eye wash stations, sinks and showers should be available.

#### **SECTION IX: STORAGE REQUIREMENTS**

STORAGE TEMPERATURE: Min: Ambient/Max: Ambient

AVERAGE SHELF LIFE: Unlimited

SPECIAL SENSITIVITY(to heat, light, moisture): None

