

SECTION 1

PRODUCT NAME: **113NO OCHRE** CAS# **1343-81-3**
 PRODUCT DESCRIPTION: Yellow Powder
 CHEMICAL FAMILY: Inorganic Pigment(s)
 REVISION DATE: 12/27/06 PRINT DATE: 12/27/06 PRINT TIME:
 16:33

SECTION II - INGREDIENTS & HAZARDS IDENTIFICATION

<u>Hazard</u>	<u>CAS #</u>	<u>WT/Wt % Less Than</u>
CRYSTALLINE SILICA, QUARTZ (TOTAL)	14808-60-7	0.5 1.0
ACGIH TLV: *0.025 MG/M3 (TWA);		
OSHA PEL: ** (TWA);		
*Respirable limits for <10 um AD.		
** PEL-TWA = 10 mg/m3 / +2		
IRON OXIDE (FUME) - FE2O3	1309-37-1	30 - 34
ACGIH TLV: ** (TWA);		
OSHA PEL: ** (TWA);		
** Under normal conditions, when material is used as a no hazardous conditions exist. If this materia is heated to an Iron Fume or Gas as those encountered in orsmelting, ACGIH has issued a TLVof 5 mg/m3 and OSHA has set a PEL of 10 mg/m3.		
KAOLIN	1332-58-7	53 - 58
ACGIH TLV: *2 MG/M3 (TWA);		
OSHA PEL: *5 MG/M3 (TWA);		
* Respirable fraction for product < 1% crystalline silica.		
TITANIUM DIOXIDE	13463-67-7	1.0 1.5
ACGIH TLV: 10 MG/M3 (Q) (TWA);		
OSHA PEL: 10 MG/M3 (Q) (TWA);		
(Q) = total dust		
MICA	12001-26-2	1.0 1.5
ACGIH TLV: 3 MG/M3 (C) (TWA);		
OSHA PEL: 3 MG/M3 (C) (TWA);		
(C) = Respirable Dust		
MAGNESITE	546-93-0	2.5 3.0
OSHA PEL: *5 MG/M3 (TWA);		
*Respirable.		
MAGNESIUM SILICATE	14807-96-6	3.0 3.5
ACGIH TLV: * 2.0 MG/M3 (TWA);		
OSHA PEL: ** 20 MPPCF (TWA);		
NON-HAZARDOUS		4.0 5.0
ACGIH TLV: N/A (TWA);		
OSHA PEL: N/A (TWA);		

(Continued)

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

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

SPECIFIC GRAVITY: 3.0 g/cc

TAP DENSITY: 0.6 g/cc

SOLUBILITY (H2O) INSOLUBLE
COLOR YELLOW

PH 6.0

BOILING POINT N/A

MELTING POINT N/A

ODOR NONE

VOLATILE,% N/A

SECTION III -

PHYSICAL DATA

SECTION IV: FIRE AND EXPLOSION

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

ADDITIONAL POTENTIAL CONDITIONS FOR REACTIONS: Avoid contact with metals at high temperatures.

POLYMERIZATION: None will occur

INCOMPATIBILITY: Strong Oxidizers, such as Chlorates, Bromates, and Nitrates. ADDITIONAL INCOMPATIBILITY: This material contains Synthetic Iron Oxide which is incompatible with Hydrazine, Calcium Hypochlorite, Performic Acid and Bromine Pentafluoride.

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.

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REVISION DATE: 12/27/06 PRINT DATE: 12/27/06 PRINT TIME:
16:33

Page

ADDITIONAL RISK SUMMARY: This product contains Titanium Dioxide, prolonged inhalation at excessive dust levels may cause bronchitis, emphysema and lung scarring.

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 water to drink and induce vomiting. Seek medical assistance.

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

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
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a dry place at an ambient temperature and away from food and beverage. Keep material in closed containers. Avoid unnecessary contact; Wash thoroughly after handling; [FOR INDUSTRIAL USES ONLY].

SECTION X: SHIPPING INFORMATION

D.O.T. SHIPPING NAME: Not applicable
TECHNICAL SHIPPING NAME: Inorganic
Pigment D.O.T. HAZARDOUS
CLASSIFICATION: Non-regulated. D.O.T.
LABEL REQUIRED: No.
FREIGHT CLASSIFICATION: Iron Oxide, NOI.

SECTION XI: SUBSTANCE GOVERNMENTAL REGISTRY

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Page

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16:33
TSCA (United States) Listed
EINECS (European Community) Listed
DSL (Canada) Listed by way of a naturally
occurring ore(s) CEPA,1999 section
2.2.1.4
SARA Title III Section 313: Not Listed
REASONS FOR ISSUE: Compliance with 29 CFR, Part 1910.1200.

LIMITATIONS: The data and recommendations made in this document are based on our own research and the research of others, and are believed to be accurate.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

Hazard Rating:

4=Severe Health: 1
3=Serious Flammability: 0
2=Moderate Reactivity: 0
1=Slight Personal Protection: E (glasses,gloves,dust respirator)
0=Minimal
