MATERIAL SAFETY DATA SHEET
Conforms to
OSHA Hazard Communication Standard 29CFR 1910, 1200

PRODUCT IDENTIFICATION

Trade Name: Pithan Red Glaze

Generic Name:

Manufacturer's Name: West Sioux Ceramics/Dakota Potters Supply

CAS Number: Mixture (see below)

Address: 2315 West Madison Street

Phone Number (Emergency): (605) 332-1946

City: Sioux Falls, SD

State:

Zip: 57104

I. PRODUCT INGREDIENTS

CHEMICAL AND/OR COMMON NAME	CAS NUMBER
Nepheline Syenite	37244-46-5
Gerstley Borate	12007-56-6,1319-33-1
Frit 3134	6597-18-4
Silica	14808-60-7
EPK	1332-58-7,14808-60-7
Whiting	1317-65-3,471-34-1,546-93-0,14808-60-7
Tin Oxide	18282-10-5
Chrome Oxide Green	1332-82-0

II. PHYSICAL DATA

Boiling Point	Vapor Pressure	Specific Gravity	Melting Point
N/A	N/A	N/A	2150 degrees
Solubility in Water	**Vapor Density (Air-1)**	**Percent Volatile**	**Evaporation Rate**
Nil	N/A	N/A	N/A

Appearance and Odor:
Red Powder when dry, Red liquid when wet, Red when fired.

III. FIRE AND EXPLOSION DATA

Flash Point:	Flammable Limits	LEL:	UEL:
Nonflammable & Non-explosive	Nonflammable	N/A	N/A

Extinguishing Media: N/A

Special Firefighting Procedures: None

Unusual Fire or Explosion Hazards: None

IV. HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate Chronic and Acute)

Inhalation: Repeated, prolonged inhalation of dust may cause delayed lung injury (Silicosis); effects aggravated by smoking.

Ingestion: N/A

Eye: N/A	Health: 2*	Flammability: 0
Skin Contact/Absorption: N/A	Reactivity: 0	Pers. Protection: E

Signs and symptoms Associated with Exposure over TLV:

Short Term: Shortness of breath, coughing associated with inhalation of dust

Long Term: May cause Silicosis, a chronic disease of the lungs marked by acute fibrosis

Medical Conditions which may be Aggravated:

Emphysema, Silicosis, Chronic Bronchitis, or other respiratory disorders.

Any of Part I Listed as Carcinogens: (NTP, IARC, OSHA):

No

V. HEALTH HAZARD INFORMATION

EMERGENCY/FIRST AID PROCEDURES

Inhalation: If use conditions generate airborne contamination, the material should be handled in an open ventilated area. Where adequate ventilation is not available, use NIOSH-approved dust masks or respirators with dust, mist and fume filter to reduce exposure. Where exposure potential under the use conditions necessitates a higher level of protection, use a positive-pressure, air-supplied respirator.

Ingestion: All food should be kept in separate area away from the storage and use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, hands and face should be thoroughly washed.

Eye Contact: Eye contact should be avoided through the use of chemical safety glasses, goggles or a face shield selected with regard for use condition exposure potential. Flush with water; consult physician and/or obtain competent medical assistance.

Skin Contact: Skin contact should be minimized through the use of gloves & suitable long-sleeved clothing selected with regard for use condition exposure potential. Wash with water.

VI. CONDITIONS FOR SAFE USE (When Over TLV)

Respiratory Protection: Use NIOSH/MSHA approved respirator if dust is present.

Eye Protection: Optional, but recommended.

Protective Gloves: Recommended/Optional.
Other Protective Clothing/Equipment: None Required.
Ventilation Requirements: Local exhaust recommended; follow OSHA 1910.24.

VII. REACTIVITY DATA

Is Material Stable? Yes Will Hazardous Polymerization Occur? No.
Incompatibility: None Conditions to Avoid: None Known.
Hazardous Decomposition Products: None.

VIII. SPECIAL PRECAUTIONS

Special Precautions for Handling & Storage: Avoid breathing dust. Minimize dust generation and exposure.

Other Precautions: Contains free Silica and Quartz. Always wear dust mask, long sleeves and eye protection when handling in dry form.

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