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

## PRODUCT IDENTIFICATION

Trade Name: Brownstone

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 |
|---|---|
| Goldart, OM4, Bentonite, 100 Mesh Sand | 14808-60-7 and 13463-67-7 |
| Lincoln 60 (Crystalline Silica & Barium) | 14808-60-7 and 513-77-9 |
| Hawthorne | 14464-46-1; 14808-60-7;1344-28-1;134763-67-7 |
| Red Art | 14464-46-1; 15468-32-3; 14808-60-7 |
| KT 1-4 | 1332-58-7 |
| Red Iron Oxide | 1309-37-1 |
| Manganese Dioxide Granular | 7439-96-5; 1304-28-5 |

## II. PHYSICAL DATA

| Boiling Point | Vapor Pressure | Specific Gravity | Melting Point |
|---|---|---|---|
| N/A | N/A | N/A | 2350 degrees |
| **Solubility in Water** | **Vapor Density (Air-1)** | **Percent Volatile** | **Evaporation Rate** |
| Nil | N/A | N/A | N/A |

Appearance and Odor:
Red-Brown when moist; red-brown color when fired.

## III. FIRE AND EXPLOSION DATA

| Flash Point: | Flammable Limits | LEL: | UEL: |
|---|---|---|---|
| Nonflammable & Nonexplosive | 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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