

MATERIAL SAFETY DATA SHEET

Conforms to

OSHA Hazard Communication Standard 29CFR 1910, 1200

PRODUCT IDENTIFICATION

Trade Name:

Mastercast

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,

State:

SD

Zip:

57104

**I. PRODUCT INGREDIENTS**

CHEMICAL AND/OR COMMON NAME

CAS NUMBER

Ball Clay (Hydrous Aluminum Silicate)

1332-58-7

Hydrous Calcium Magnesium (Talc)

14807-96-6

(non asbestos form)

Calcium Carbonate (Limestone)

1317-65-3

Respirable crystalline quartz TWA-TLV=0-1mg/m3

Cristobalite & tridymite

see stability TWX-TLV – 0.05 mg/m3

**II. PHYSICAL DATA**

Boiling Point

N/A

Vapor Pressure

N/A

Specific Gravity

N/A

Melting Point

2167 degrees

Solubility in Water

Nil

Vapor Density (Air-1) Percent Volatile

N/A

N/A

Evaporation Rate

N/A

Appearance and Odor:

Gray when moist; white color when fired.

**III.**

**FIRE AND EXPLOSION DATA**

Flash Point:

Nonflammable & Non-explosive

Flammable Limits

Nonflammable

LEL:

N/A

UEL:

N/A

Extinguishing Media: N/A

Special Fire-fighting 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.

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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

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VII.

**REACTIVITY DATA**

**Is Material Stable?** Yes

**Will Hazardous Polymerization Occur?** No

**Incompatibility:** None

**Conditions to Avoid:** None Known

**Hazardous Decomposition Products:** None

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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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