

MERLEX STUCCO, INC.  
2911 ORANGE-OLIVE RD.  
ORANGE, CA 92665  
714-637-1700  
714-637-4865 FAX

MATERIAL SAFETY DATA SHEET

SECTION 1. MATERIAL NAME

MATERIAL NAME: CONCRETE FLOOR PATCH

HMIS:  
Health 2  
Fire 0  
Reactivity 0  
Personal Protection x

SECTION 2. INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

<u>CHEMICAL ID</u>	<u>% WEIGHT</u>	<u>ACGIH TLV</u>	<u>STEL</u>	<u>OSHA PEL</u>
Silica, crystalline quartz (CAS) 14808-60-7)	70-80	0.1 mg/ m <sup>3</sup>		
Portland cement	20-30	10 mg/ m <sup>3</sup>		10 mg/ m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable
Calcium hydroxide	1-5	5 mg/m <sup>3</sup> respirable		5 mg/m <sup>3</sup> respirable

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications. gt= greater than; lt= less than, ca approximately, ne= not established, c= ceiling.

SECTION 3. PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: No data available  
VAPOR PRESSURE (mm Hg) Not applicable – solid at all service temperatures  
VAPOR DENSITY (AIR=1): Not applicable  
pH: No data available- strongly basic when mixed with water  
SPECIFIC GRAVITY (H2O =1): No data  
% Volatile by volume: Negligible  
APPEARANCE AND COLOR: Gray powdered solid. No odor.  
SOLUBILITY IN WATER: Slight

#### **SECTION 4. FIRE AND EXPLOSION HAZARD DATA**

---

FLASH POINT (METHOD USED): None  
FLAMMABLE LIMITS: Not applicable  
LEL:  
UEL:  
EXTINGUISHING MEDIA: Not applicable  
SPECIAL FIRE FIGHTING PROCEDURES:  
Not applicable  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

---

#### **SECTION 5. REACTIVITY DATA**

---

STABILITY: Stable

CONDITIONS TO AVOID: Products hydrates at a slow, controlled rate when mixed with water releasing minimal heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents such as organic and inorganic acids. Acids will react with cement, lime and carbonate.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Not applicable.

---

#### **SECTION 6. HEALTH HAZARD ASSESSMENT**

---

General: No Toxicity information is available on this specific preparation; this health hazard assessment is based on information that is available on its components.

Ingestion: No known toxic effects. May cause digestive tract irritation.

Eye Contact: This material can irritate and burn human eyes following contact. The aggregate particles may cause corneal abrasions.

Skin Contact: Dryness, itching, rashes and burns can develop following contact with the skin. Skin abrasions can occur if material is rubbed against the skin. Dermatitis and skin sensitization can develop after repeated or prolonged exposure. This material is not absorbed through the skin.

Inhalation: Repeated inhalation of silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis). Overexposure to dusts can irritate the respiratory tract. IARC has associated high exposures to crystalline silica with cancer in laboratory animals.

Other effects of overexposure: No other clinical effects are known to be associated with this material.

#### **EMERGENCY FIRST AID PROCEDURES:**

##### **Inhalation:**

Remove victim to fresh air. If breathing is difficult or symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

Eye Contact: Do not rub eyes.

Flush with water for at least 15 minutes. Obtain medical attention. Consult medical personnel.

Skin contact: Do not rub skin. Wash with soap. Flush with water for at least 15 minutes.

---

**SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND USE**

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Keep unnecessary people away. Follow personal protection procedures when cleaning spills. Collect spilled powder by dustless methods and place in a container. If necessary, dike spills of mixed materials, mix with absorbent material and shovel into waste containers. Avoid generating dust. Wet material may be slippery. Use caution to avoid falls.

**WASTE DISPOSAL METHOD:**

Use powder of mixed material if uncontaminated. Discarded product and hardened mortar are non-hazardous under RCRA (40 CFR, part 261). Dispose of non-hazardous waste in compliance with applicable regulations.

**EMPTY CONTAINERS:**

Empty containers may retain small amounts of residual product. Observe all hazard precautions and personal protection recommendations when handling empty containers. Dispose of as non-hazardous waste in accordance with all applicable regulations.

---

**SECTION 8. SPECIAL PROTECTION INFORMATION**

---

**TLV or SUGGESTED CONTROL VALUE:**

No TLV has been assigned to this mixture. Minimize exposures in accordance with good hygiene practices.

**VENTILATION**

Use local exhaust to keep exposures below limits set for silica, Portland cement and nuisance dusts.

**RESPIRATORY PROTECTION (SPECIFY TYPE):**

Where exposures to dusts from this product may exceed the exposure limits an MSHA-NIOSH approved dust respirator for the dust should be used.

**PROTECTIVE CLOTHING:**

Gloves and protective clothing are recommended.

**EYE PROTECTION:** Chemical tight goggles; full face shield if splashing is possible. Safety glasses if grinding, cutting, etc. of hardened material is required.

**OTHER PROTECTIVE CLOTHING or EQUIPMENT:**

Eyewash, safety showers

---

**SECTION 9. SPECIAL PRECAUTIONS OR OTHER COMMENTS**

---

Prevent skin and eye contact. Observe TLV limitations. Avoid breathing dusts. Sensitized individuals should not be exposed to the product which caused sensitization.

Store in a cool, dry area off the ground. Minimize generation of dust.

---

**SECTION 10. MISCELLANEOUS INFORMATION**

---

PEL for silica, crystalline quartz:

For respirable dust in mg/m<sup>3</sup>:  $\frac{10\text{mg/m}^3}{\% \text{ SiO}_2 + 2}$

For total dust in mg/m<sup>3</sup>:  $\frac{30\text{mg/m}^3}{\% \text{ SiO}_2 + 2}$