

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

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTITY

MATERIAL NAME: SUPER CONCRETE PATCH

HMIS:
Health 1
Fire 0
Reactivity 0
Personal Protection x

SECTION 2. INGREDIENTS/ IDENTITY INFORMATION

Hazardous Components Chemical ID	% weight	ACGIH TLV	STEL	OSHA PEL
Silica, crystalline quartz CAS 14808-60-7	35 – 60	0.1 mg/ m ³ (respirable)		
Portland cement CAS 65997-15-1	40 – 45	10 mg/ m ³ total dust		10 mg/ m ³ total dust 5 mg/ m ³ respirable
Calcium carbonate CAS 1317-65-3	1 – 5	10 mg/ m ³		5 mg/ m ³

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): NA
pH: No data available, strongly basic when mixed with water
SPECIFIC GRAVITY (H2O =1): No data
APPEARANCE AND COLOR: Medium to dark gray powder. No odor.
SOLUBILITY IN WATER: Slight
% VOLATILE BY VOLUME: Negligible

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 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 and cause damage to the mucous membranes of the upper respiratory tract. IARC has associated high exposure 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 AND FIRST AID PROCEDURES:

Inhalation:

Remove victim to fresh air. If breathing is difficult administer oxygen. Consult a physician.

Ingestion:

Give one or two glasses of water to drink. If gastrointestinal 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 personnel protection procedures when cleaning spills. Collect spilled powder by dustless methods and waste in a container. If necessary, dike spills of mixed materials, mix in an absorbent material and shovel into waste containers. Avoid generating dust. Wet material may be slippery. Use caution to avoid a falls.

Waste Disposal Method:

Reuse powder or 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.

Container Disposal:

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 exposure below limits set for silica, Portland cement and nuisance dusts.

RESPIRATORY PROTECTION (SPECIFY TYPE): Where exposures to dusts from this product may exceed the exposures limits in MSHA-NIOSH approved dusts 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 and 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 cause d sensitization.

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

SECTION 10. MISCELLANOUS INFORMATION

PEL for silica, crystalline quartz:

For respirable dust in mg / m³: $\frac{10\text{mg} / \text{m}^3}{\% \text{SiO}_2 + 2}$

For total dust in mg/ m³: $\frac{30\text{mg} / \text{m}^3}{\% \text{SiO}_2 + 2}$