

Merlex Stucco

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Super Concrete Patch, Concrete Floor Patch

MANUFACTURER: Merlex Stucco, Inc.
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MSDS Date of Preparation: 11/30/04

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Conc in %
Portland Cement*	65997-15-1	20-50
Sand (crystalline silica, quartz)	14808-60-7	40-70
Calcium Sulfate (gypsum)	7778-18-9	0-5
Clay	Mixture	0-5
Calcium Hydroxide	1305-62-0	0-10
Magnesium Hydroxide	1309-42-8	0-10
Calcium Aluminate	12042-68-1	1-10
Non-Hazardous Polymers	Proprietary	1-10

* Portland Cement consists mainly of calcium silicate compounds and other calcium compounds containing iron and aluminum. It may also contain gypsum, limestone, flyash, lime and crystalline silica (quartz). This material may also contain trace amounts of various naturally occurring metals such as chromium, iron, lead and arsenic. **(See Section 8 for Exposure Limits)**

3. HAZARDS IDENTIFICATION

Fine, powdered solid, color depends on pigment.

EMERGENCY OVERVIEW

Warning! May cause severe eye irritation and injury. May cause skin irritation or burns. Inhalation of dust may cause irritation of the nose, throat and respiratory tract. Repeated skin contact may result in allergic dermatitis. Prolonged inhalation of respirable crystalline silica (quartz) may cause a disabling, progressive lung disease, silicosis, and lung cancer.

See Section 11 for detailed information

4. FIRST AID MEASURES

Ingestion: Wash mouth with water. Do not induce vomiting. Seek immediate medical attention.

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Skin Contact: Remove contaminated clothing and wash immediately with plenty of soap and water. Get medical attention if irritation or other symptoms develop. Launder contaminated clothing before reuse.

Eye Contact: Rinse immediately with plenty of water for 15 minutes, while lifting the eyelids. Get immediate medical attention.

Inhalation: Remove affected person from source of exposure. If symptoms of exposure persist, get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Flammable Limits In Air (% BY VOL.): Not applicable

Basic Firefighting Procedures: This product is not combustible. Use any extinguishing media that is appropriate for the surrounding fire. Firefighters should always wear positive pressure self-contained breathing apparatus and protective clothing when fighting fires involving chemicals.

Unusual Fire And Explosion Hazards: None.

Hazardous Decomposition Products: None.

6. ACCIDENTAL RELEASE MEASURES

Spill: Wear appropriate protective clothing to avoid eye and skin contact including impervious gloves, safety goggles and respirator if needed. Carefully collect dry material. Avoid creating airborne dust. Scrape up wet product. Place into an appropriate container for re-use or disposal. Allow wet material to dry before disposal. Report spills and releases as required to appropriate authorities.

7. HANDLING AND STORAGE

Handling: Do not breathe dust. Avoid contact with the eyes, skin and clothing. Wear appropriate protective clothing and equipment handling this material. Wash thoroughly after handling. Immediately remove contaminated clothing and launder before re-use. Do not eat, drink or smoke in the work area. Keep product dry until use.

Storage: Store in cool, dry area.

Empty Containers: Empty containers may contain product residue and may be hazardous. Follow all MSDS precautions in handling empty containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Exposure Limits

Chemical Name	Exposure Limits
Portland Cement	10 mg/m ³ ACGIH TLV-TWA (total dust) 5mg/m ³ OSHA PEL-TWA (respirable dust) 15mg/m ³ OSHA PEL-TWA (total dust)
Sand (crystalline silica, quartz)	0.05mg/m ³ ACGIH TLV-TWA (respirable dust) <u>10 mg/m³</u> OSHA PEL-TWA (respirable dust) %SiO ₂ + 2

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Calcium Sulfate (Gypsum)	10 mg/m ³ ACGIH TLV-TWA (total dust) 5mg/m ³ OSHA PEL-TWA (respirable dust) 15mg/m ³ OSHA PEL-TWA (total dust)
Clay	10 mg/m ³ ACGIH TLV-TWA (inhalable dust) 5mg/m ³ OSHA PEL-TWA (respirable dust) 15mg/m ³ OSHA PEL-TWA (total dust)
Calcium Hydroxide	5 mg/m ³ ACGIH TLV-TWA (total dust) 5mg/m ³ OSHA PEL-TWA (respirable dust) 15mg/m ³ OSHA PEL-TWA (total dust)
Magnesium Hydroxide	None Established
Calcium Aluminate	10 mg/m ³ ACGIH TLV-TWA (total dust) 5mg/m ³ OSHA PEL-TWA (respirable dust) 15mg/m ³ OSHA PEL-TWA (total dust)
Non-Hazardous Polymers	None Established

Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures as far as possible below applicable occupational exposure limits.

Eye Protection: Safety glasses or goggles recommended.

Skin Protection: Avoid skin contact. Wear impervious gloves if needed to avoid contact.

Respiratory PROTECTION: If needed, a NIOSH approved respirator with dust cartridges (N95/P95 or N100/P100) may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2, CSA Standard Z94.4-02 and good Industrial Hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Specific Gravity: Not Available

Melting Point: Not Determined

% Volatile: 0%

Vapor Pressure: Not Applicable

Evaporation Rate: Not Applicable

Vapor Density (Air = 1): Not Applicable

Solubility In Water: Insoluble

pH: 12-13 when mixed with water

Appearance/Odor: Fine, powdered solid, color depends on pigment.

10. STABILITY AND REACTIVITY DATA

Stability: Stable under normal conditions of use and storage.

Incompatibility: Strong acids, ammonium salts and aluminum metal.

Conditions To Avoid: Avoid contact with water and moisture until use.

Hazardous Decomposition Products: None.

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11. TOXICOLOGICAL INFORMATION

PRODUCT HEALTH HAZARD INFORMATION

Skin: Contact with dry product may cause dryness of the skin. Contact with wet product or presence of product on skin damp with sweat will cause irritation and possible serious burn. Repeated contact may result in allergic reaction in some individuals.

Eye: May cause severe irritation and possible serious eye injury. Dust may cause physical (mechanical) eye injury.

Inhalation: May cause irritation of the nose, throat and upper respiratory tract.

Ingestion: May cause irritation of the mouth and gastrointestinal tract.

Chronic Health Effects: Chronic overexposure to any respirable dust will cause adverse effects on the lung. Chronic overexposure to respirable crystalline silica may cause a progressive, disabling lung disease, silicosis which may be fatal. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. This disease is exacerbated by smoking. The International Agency for Research on Cancer (IARC) has determined that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1). The National Toxicology Program classifies respirable crystalline silica as known to be a human carcinogen.. The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

Acute Toxicity Values

No toxicity data is available for this product at this time.

12. ECOLOGICAL INFORMATION

The ecological effects of this product have not been determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Not Regulated

DOT Hazard Class: NA

UN Number: NA

DOT Labels Required: None

15. REGULATORY INFORMATION

SARA TITLE III INFORMATION:

Section 311/312 (40 CFR 370) Hazard Categories: Acute Health, Chronic Health

Section 313 (40 CFR 372): This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirement: None

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Section 302 (40 CFR 355): This product does not contain chemicals listed as extremely hazardous chemicals under SUPERFUND Amendments and Reauthorization Act (SARA).

CERCLA 103 Reportable Quantity: None

EPA TSCA: All of the components of this product are listed on the EPA TSCA Inventory.

California Proposition 65: This product contains respirable crystalline silica, which is known to the State of California to cause cancer. This product also contains lithium carbonate which is known to the State of California to cause developmental toxicity (birth defects). This product may also contain trace amounts of naturally occurring metals which are known to the State of California to cause cancer and/or reproductive harm.

16. OTHER INFORMATION

NFPA Hazard Rating:	Health: 1	Fire: 0	Reactivity: 0
HMIS Hazard Rating:	Health: 2*	Fire: 0	Reactivity: 0

REVISION DATE: 11/30/04

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information. It is the responsibility of the user to determine the applicability of this information for his use.