

HERB • CRETE

Materials Safety Data Sheet

Section 1 — Product and Company Identification

Product Identifier:

Name: Stucco Mortar Mix™
Carving Mortar Mix™
High Bond Veneer Mortar Mix™

Product Use: Stucco, including carving stucco and veneer
bonding stucco

Chemical Name: None

Manufacturer

Name: HerbCrete, LLC
Address: PO Box 2952
Eugene OR 97402

Contact Info: (702) 906.0260
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Emergency Phone (702) 906.0260

MSDS Preparation

MSDS Prepare By: Herb Nordmeyer
Phone Number of Preparer 210-573-2030

Section 2 – Composition / Information on Ingredients

This product is a blend of proprietary compounds which have been blended with Portland Cement, and sand, to produce a quality stucco mix with specific characteristics.

List Ingredients	%	CAS Number	ACGIHTLV TWA 8/40 (mg/m ³)	OSHA PEL TWA 8/40 (mg/m ³)
Silica Sand, crystalline	60 to 73	14808-60-7	10	0.05 (respirable)
Portland Cement	25 to 34	65997-15-1	5	5
Iron Oxide Pigments	0 to 3	01309-37-1	5	5
Natural aluminosilicate (Kaolin)	0.5 to 2.0	1332-58-7	5	5
Calcium hydroxide	0 to 0.5	1305-62-0	5	15 (TD) 5 (R.)
Magnesium hydroxide	0.5 to 0.2	1309-42-8	n/a	n/a
Sodium benotonite	0.5 to 0.3	1302-78-9		15 (TR) 5 (R.)
Basalt Fiber	0.01 to 0.2		n/a	n/a
Periclase	<0.5	1309-48-4	10	10
Crystalline Silica Quartz (SiO ₂)	< 2	14808-60-7	.025 ®	10/(SiO ₂ % + 2) (R.)

Crystalline Silica is reported as total silica and not just the respirable fraction.

Section 3 — Hazards Identification

This product is made from materials mined from the earth and processed. Trace amounts of chemicals not listed may be detected during chemical analysis.

Emergency Overview:

This product is white to gray sanded fine powder and may or may not contain fibers.. Exposure of sufficient duration may cause skin, eye, and respiratory tract damage due to mechanical irritation.

Potential Health Effects

Eyes:

Contact can cause immediate and / or delayed irritation and / or inflammation of eyes. Contact with large amounts of the dry power or the wetted slurry can cause moderate eye irritation. Eye exposures require immediate first aid.

Skin:

Contact with the skin can cause mild irritation and dryness of the skin.

Ingestion:

Do not ingest this product. We know of no problems with the accidental ingestion of small quantities of this product.

Inhalation:

Risk of injury depends of the level of exposure and the duration of the exposure.

This product contains very small amounts of crystalline silica so repeated inhalation of respirable crystalline silica can cause silicosis.

The calcium compounds in this product is not listed as a carcinogen by IARC or NTP.

Some studies have shown that exposure to respirable crystalline silica may be associated with the increased incidence of several autoimmune disorders such as scleroderma (thickening of the skin), systemic lupus erythematosus, rheumatoid arthritis, and diseases which affect the kidneys.

Silicosis increases the risk of tuberculosis

Medical Conditions Aggravated by Exposure

Individual with lung disease (bronchitis, emphysema, asthma, etc.) should avoid contact with this product.

Section 4 — First Aid Measures

Eye Contact

Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention for abrasions and burns.

Skin Contact

Wash with cool water and a pH neutral soap or mild skin detergent. Seek medical attention for rash, burns, irritation, dermatitis, and prolonged unprotected exposures to wet product or liquids associated with the wet product.

Inhalation

Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Ingestion

Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

Section 5 — Fire Fighting Measures

Flammability & Combustibility

Product, either as delivered to the jobsite, as mixed on the jobsite, or in its cured condition is not flammable and will not support combustion. Paper bags used for packaging are flammable.

General Hazard:

Avoid breathing dust. Wet product is mildly caustic.

Extinguishing Media

Use extinguishing media appropriate for surrounding fire

Firefighting Equipment:

Product poses no fire-related hazard. A SCBA is recommended to limit exposure to combustion products when fighting any fire.

Combusting products:

Below temperatures of 2,000 degrees F, the only decomposition that will take place is some water of hydration will be driven off.

Section 6 — Accidental Release Measures

Spill:

Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation of dust and contact with skin and eyes.

Use exposure control and personal protection methods as described in Section 8.

Disposal:

Comply with all applicable local, state and federal regulations for disposal of unusable or contaminated materials. Dispose of packaging/containers according to local, state and federal regulation

Section 7 — Handling and Storage

Keep dry until used. Handle and store in a manner so that airborne dust does not exceed applicable exposure limits. Use adequate ventilation and dust collection. Use exposure control and personal protection methods as described in Section 8.

Section 8 — Exposure Control / Personal Protection

Exposure limits

Component	TYPE	Value
Silica Sand	TWA Total Dust	0.1 mg/m ³

Specific Engineering Controls

Ventilation: Use with adequate ventilation

Personal Protection Equipment

Eye/Face Protection: Use safety glasses. If there is potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Skin Protection: Barrier cream, boots and clothing should protect skin from dust and wet mortar. Hand Protection: impervious gloves, vinyl or rubber gloves recommended

Respiratory Protection: NIOSH/OSHA approved respirator for silica dust

Ingestion: Use good personal hygiene. Do not consume or store food in the work areas.

Wash hands before smoking or eating.

Work/Hygienic Practices: Workers should shower with soap and water after working with mortar.

Section 9 — Physical and Chemical Properties

Physical State: ***Sanded Powder***

Color: ***White to gray***

Odor: ***Low Odor***

Flash point: ***NA***

Flammable limits in Air

Lower (LEL): NA

Upper (UEL): NA

Autoignition Temperature: ***NA***

Vapor Pressure: ***NA***

Boiling Point (760mmHg): ***>2700°F***

Vapor density (air=1): ***NA***

<i>Specific Gravity (H₂O =1):</i>	<i>2.4-3.0</i>
<i>Freezing point:</i>	<i>NA</i>
<i>Melting point:</i>	<i>NA</i>
<i>Solubility in water (by weight):</i>	<i><1%</i>
<i>pH:</i>	<i>10-13 in water</i>
<i>Kinematic Viscosity:</i>	<i>NA</i>

Section 10 — Stability and Reactivity

Chemical stability

Product is stable. Keep dry until used.

Reactivity, and under what conditions

Contract with water will result in the product of cement like chemical hydrates.

Incompatibility with other substances

None known.

Hazardous decomposition products

None known.

Hazardous polymerization

Will not occur.

Section 11 — Toxicological Information

None of the components are listed by MSH, OSHA, or IARC as carcinogenic. For answers to questions regarding toxicology information, refer to contact information in Section 1

Section 12 — Ecological Information

For answers to questions regarding toxicology information, refer to contact information in Section 1

Section 13 — Disposal Considerations

Dispose of waste and containers in compliance with applicable Federal, State, Provincial, and Local regulations.

Section 14 — Transport Information

This product is not classified as a Hazardous Material under U.S DOT regulations.

Section 15 — Regulatory Information

OSHA/MSHA Hazard Communication

Based on available information, this product is not considered by OSHA/MSHA to be a hazardous chemical.

CERCLA/SUPERFUND:

This product is not listed as a CERCLA hazardous substance.

EPCRA

This product contains none of the substances subject to the reporting requirements of SARA Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA:

All chemical ingredients present in greater than 1% concentration are listed on the US EPA TSCA Inventory List..

California Proposition 65:

Crystalline silica (airborne particulates of respirable size) is a substance known by the State of California to cause cancer.

Section 16 — Other Information

Abbreviations:

>	Greater than
NA	Not Applicable
ACGIH	American Conference of Governmental Industrial Hygienists
NFPA	National Fire Protection Association
CAS No	Chemical Abstract Service number
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
OSHA	Occupational Safety and Health Administration
CFR	Code for Federal Regulations
PEL	Permissible Exposure Limit
CL	Ceiling Limit
pH	Negative log of hydrogen ion
DOT	U.S. Department of Transportation
PPE	Personal Protective Equipment
R	Respirable Particulate
HEPA	High-Efficiency Particulate Air
RCRA	Resource Conservation and Recovery Act
HMIS	Hazardous Materials Identification System
SARA	Superfund Amendments and Reauthorization Act
T	Total Particulate
IARC	International Agency for Research on Cancer

TDG	Transportation of Dangerous Goods
LC	Lethal Concentration
TLV	Threshold Limit Value
LD	Lethal Dose
TWA	Time Weighted Average (8 hour)
mg/m ³	Milligrams per cubic meter
MSHA	Mine Safety and Health Administration
WHMIS	Workplace Hazardous Materials Information System

NFPA Hazard Class

Health	1
Flammability	0
Instability	0

HMIS Hazard Class

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	1

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