

Manufactured Stone Veneer Units (Masonry)

Material Data & Safety Sheet Data Sheet

Revision V1.0 - Dated Jan 01, 2018



Section 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Manufactured Stone Masonry Veneer Units (Masonry)

Product SKUs: Various

Formula: Mixture

1.2 Intended Use of the Product: Building Material (Typically used as an indoor or outdoor siding or wall-cladding material).

1.3 Name, Address, and Telephone Number of the Responsible Party Company

Mason's Mark Stone Veneer Corporation

106 Sewickley Street

New Stanton, PA 15401, United States

(724) 635-0082

www.masonsmarkstone.com

1.4 Emergency Telephone Number: (724) 562-3719 (Available 24 Hour/Day)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture: This product is defined as an article by the OSHA Hazard Communication Standard [29 CFR 1910.1200(c)] and does not require a Safety Data Sheet, however we have provided this Safety Data Sheet in order to communicate the hazards associated where activities related to the installation of Stone Veneer (cutting, grinding, crushing, drilling or breaking) may result in the release of a hazardous substance in the created DUST.

Classification (GHS-US)

Eye Damage/Irritation, Category 1 (H318)

Skin Corrosion/Irritation, Category 2 (H315)

STOT-Single Exposure, Category 3 (H335)

Specific Target Organ Toxicity-Repeated Exposure (STOT-RE), Category 1 (H372)

Carcinogen Category 1A

2.2 Label Elements

GHS-US Labeling Hazard Pictograms (GHS-US)



2.3 Signal Word: DANGER

Hazard Statements: (For AMSV Dust Generated from Cutting, Grinding, Crushing, Drilling or Breaking)

H315: Causes skin irritation.

H319: Causes eye irritation.

H372: Causes damage to lungs through prolonged or repeated inhalation exposure.

Precautionary Statements: (For AMSV Dust Generated from Cutting, Grinding, Crushing, Drilling or Breaking)

P260: Do not breathe dust.

P270: Do not eat, drink or smoke while using this product.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 & P352: IF ON SKIN: Wash with plenty of water.

P304 & P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305, P351 & P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.4 Other: Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.5 Unknown Acute Toxicity (GHS-US): No data available

2.6 Listed Carcinogens: Silica dust (respirable, crystalline fraction) in the form of quartz.

IARC: Yes **NTP:** Yes **OSHA:** No **Other:** No (European Union)

Hazardous Properties: Dust generated from cutting, grinding, crushing, drilling or breaking may cause eye damage and skin irritation. May be irritating to respiratory tract. Respirable crystalline silica may cause damage to lungs upon repeated inhalation exposures.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description of the mixture: The product is a solid concrete block that, when subjected to cutting, grinding, crushing, drilling or breaking, may form hazardous dusts.

3.2 Hazardous Ingredients:

Name	CAS No.	Percentage	GHS Classification
Silica dioxide (quartz)	14808-60-7	40-90%	Note 1
Portland Cement (cured)	65597-15-1	0-40%	Note 2
Fly Ash	68131-74-8	0-4%	Note 3

Note 1: STOT-RE, Category 1 (H372*); Carcinogen Category 1A

Note 2: Skin Corrosion/Irritation, Category 2 (H315) Eye Damage/Irritation, Category 1 (H318)
STOT-Single Exposure, Category 3 (H335)

Note 3: STOT-RE, Category 1 (H372*)

Note 4: This product contains additional not classified substances at low concentrations that do not contribute to the hazards of this product.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures General: An unconscious person should **NEVER** be give anything by mouth. Attempt to determine the nature of the injury before attempting to move the patient and review the label or SDS of this product.

Inhalation: If symptoms of dust exposure (respiratory irritation) occur, move the person to fresh air. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Eye Contact: If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to dust exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides. Medical attention should be obtained if irritation persists.

Skin: Injuries to skin due to abrasion, laceration, or crushing should be treated by flushing with clean water, followed by first aid (application of disinfectant and bandage). If the injury is more extensive or irritation and pain persists, medical attention should be sought.

4.2 Most Important Symptoms and Effects—Both Acute and Delayed General: The most important symptoms and effects from exposure to this product's dust is respiratory irritation and respiratory system chronic illness if significant exposures occur repeatedly.

Inhalation: The immediate acute response to dust inhalation is respiratory system irritation. Upon repeated high levels of dust exposure, crystalline silica content of the dust may cause delayed or chronic respiratory illnesses, including silicosis and cancer.

Eye Contact: Exposures of the eyes to particles and dust may result in irritation, pain, redness, and blurred vision, which is usually temporary.

Skin Contact: Other than abrasion and irritation, skin contact does not cause delayed or chronic symptoms.

4.3 Indication of Immediate Medical Attention and Special Treatment: Any time symptoms of eye irritation or respiratory irritation persist; medical attention should be obtained.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Fire Hazard: Finished product is not combustible.

5.2 Explosion Hazard: Product is not explosive.

5.3 Reactivity: Hazardous reactions are not expected to occur under normal conditions.

5.3 Advice for Firefighters: Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures General Measures: Do not breathe dust. Do not get in eyes, on skin, or on clothing.

6.1.1. For Non-Emergency Personnel Protective Equipment: Use appropriate personal protective equipment (PPE). Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel Protective Equipment: Equip clean-up crew with proper protection. Emergency Procedures: Ventilate area if dust is generated.

6.2 Environmental Precautions: Reuse product as appropriate to avoid disposal.

6.3 Methods and Material for Containment and Clean-Up Containment: Contain and collect as any solid. Avoid actions that cause dust to become airborne. Do not breathe dust, and do not allow large quantities of dust to contact skin.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Additional Hazards when Processed: Cutting, crushing, or grinding crystalline silica-bearing materials will release respirable crystalline silica. Use all appropriate measures of dust control or suppression and Personal Protective Equipment (PPE) described in Section 8.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving work.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limits:

United States

OCCUPATIONAL EXPOSURE LIMITS FOR HAZARDOUS SUBSTANCES IN THE WORKPLACE					
SUBSTANCE		OSHA PEL TWA / STEL (mg/m ³)	NIOSH REL TWA / STEL (mg/m ³)	ACGIH TLV TWA / STEL (mg/m ³)	CAL - OSHA PEL (mg/m ³)
Calcium Oxide		5	2	2	-
Crystalline Silica	Total Quartz	30 ÷ (%SiO ₂ +2) (Total Quartz)	-	-	0.3
	Respirable Crystalline Silica	10 ÷ (%SiO ₂ +2)	0.05	0.025 (α-quartz & cristobalite)	0.1
	Cristobalite	-	0.05	0.025 (α-quartz & cristobalite)	0.05 (respirable)
Particulates Not Otherwise Regulated	Total	15	15	-	10
	Respirable	5	5	-	5

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Portland Cement (CAS 65997-15-1)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	50 millions of particle	
Silica Sand (CAS 14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³	Respirable.
		2.4 millions of particle	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m ³	Respirable fraction.
Silica Sand (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.

US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

Components	Type	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total
Silica Sand (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.

Personal Protective Equipment: Protective goggles or safety glasses, and gloves. Wear respiratory protection if dust is present when cutting/grinding/chipping product.

Hand Protection: Protective gloves as appropriate to prevent abrasion and hand injuries.

Eye and/or Face Protection: Approved safety glasses, goggles, and/or face-shield.

Skin and Body Protection: Appropriate work clothing and footwear should be worn.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Solid.

Odor: Essentially odorless.

pH: Not available.

Melting Point: Not available.

Boiling Point: Not available.

Auto-Ignition Temperature: Not available.

Flammability (solid, gas): Not available.

Appearance: Solid.

Odor Threshold: Not available.

Evaporation Rate: Not available.

Freezing Point: Not available.

Flashpoint: Not available.

Decomposition Temperature: Not available.

Lower Flammable Limit: Not available.

Upper Flammable Limit: Not available.

Vapor Pressure: Not available.

Relative Vapor Density at 20° C: Not available.

Relative Density: Not available.

Specific Gravity: 2.6

Solubility: Negligible in water.

Partition Coefficient—N-Octanol/Water: Not available. **Viscosity:** Not available.

Explosion Data—Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact.

Explosion Data—Sensitivity to Static Discharge: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Hazardous reactions are not expected to occur under normal conditions.

10.2 Chemical Stability: Stable.

10.3 Possibility of Hazardous Reactions: Not applicable.

10.4 Conditions to Avoid: Not applicable.

10.5 Incompatible Materials: Not applicable.

10.6 Hazardous Decomposition Products: Not applicable.

SECTION 11: TOXCOLOGICAL INFORMATION

11.1 Likely Routes of Exposure

Skin Contact: Product is abrasive and may irritate unprotected skin.

Eye Contact: When product is shaped or cut, chips or dust may enter unprotected eyes and cause injury or irritation.

Inhalation: When product is shaped or cut, respirable dust may be generated that, when inhaled, can cause respiratory system irritation. Prolonged or repeated inhalation exposure may cause chronic illness.

Ingestion: Not expected to be an exposure route of concern.

11.2 Symptoms Related to Physical, Chemical, and Toxicological Characteristics Immediate Effects:

Irritation of skin, eyes, and respiratory tract due to abrasion or dust inhalation will produce immediate discomfort, and first aid should be provided.

Delayed and Chronic Effects: Inhalation of dust on a prolonged or repeated basis may result in chronic lung disease or silicosis, and may also result in lung cancer, in particular among tobacco smokers.

11.3 Numerical Measures of Toxicity: The acute and chronic effects of exposure to this product's dust have not been quantified.

11.4 Carcinogenicity: The ingredient quartz, also known as crystalline silica, has been determined to be carcinogenic by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No additional information available.

12.2 Persistence and Degradability: Not available.

12.3 Bio accumulative Potential: Not available.

12.4 Mobility in Soil: Not available.

12.5 Other Adverse Effects: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods Waste Disposal Recommendations: Scrap material should be re-used or recycled. Waste is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) (40 CFR 261). Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT: Not regulated for transport

14.2 In Accordance with IMDG: Not regulated for transport

14.3 In Accordance with IATA: Not regulated for transport

14.4 In Accordance with TDG: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 U.S. Federal Regulations: Stone Exempt article [40 CFR 370.13(b)]

SARA Section 313 Emission Reporting This product may contain constituents listed under SARA (Title III) Section 313, but not in amounts requiring supplier notification under 40 CFR Part 372, Subpart C. TSCA Inventory All constituents are included in the Toxic Substances Control Act Chemical Inventory [40 CFR 720]. 15.2

U.S. State Regulations State Right-to-Know Laws: This product, as an article, is exempt from hazardous substance inventory reporting under the Massachusetts, New Jersey, and Pennsylvania right-to-know laws.

California Proposition 65: Warning Required and shall state: WARNING: This product contains crystalline silica and other chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

15.3 Canadian Regulations DSL: All ingredients are listed or exempt from inclusion on the Canadian Domestic Substances List (DSL). WHMIS Class D, Division 2, Subdivision A – Material causing other toxic effects. Very Toxic—Chronic.

This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all of the information required by the CPR. 15.4



* Dust generated from cutting, grinding, crushing, drilling or breaking activities may result in a chronic health hazard (Category 3 Health Hazard)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Party Responsible for Preparation of this Document: Mason's Mark Stone Veneer Corp, (724) 635-0082

Limitations: The information and recommendations set forth herein are based on data we have in our possession, and we have reason to believe is accurate. It is, however, the user's responsibility to determine the safety, toxicity, or suitability for his/her own use of the herein described product. Because the actions by others is beyond our control, Mason's Mark Stone Veneer Corp. makes no warranty expressed or implied regarding accuracy of the data or the results to be obtained from the use thereof.