

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Everset™ Mortar

Product Description: Pre-mixed masonry / refractory mortar, gray semi-solid paste

Chemical Name: Mixture

Formula: Mixture (no single CAS number; see Section 3)

1.2 Intended Use of the Product

Masonry / refractory mortar; bonding and setting agent for brick and tile products.

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

Acme Brick Company

3024 Acme Brick Plaza, Fort Worth, TX 76109

Perla Plant — Hot Spring County, AR

Corporate Phone: (817) 332-4101

1.4 Emergency Telephone Number

Emergency: (918) 834-0618

(Also contact CHEMTREC 1-800-424-9300 for 24-hour chemical emergency assistance.)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Substance or Mixture (GHS-US)

This product is a mixture. Classifications below are based on hazardous components identified in Section 3, particularly crystalline silica (quartz). In its normal wet/semi-solid state this product does not generate respirable dust; hazards arise when the dry product is cut, ground, or abraded.

Skin Sensitization 1

Eye Irritation 2

STOT-RE (Repeated Exposure) 1 (Respiratory — silicosis)

Carcinogenicity 1A

2.2 Label Elements (GHS-US)

Hazard Pictograms:



GHS08 — Health Hazard (carcinogenicity, STOT-RE) GHS07 — Exclamation Mark (skin sensitization, eye irritation)

Signal Word:

- **Danger**

Hazard Statements:

- May cause an allergic skin reaction (H317)
- Causes serious eye irritation (H319)
- May cause cancer — inhalation of respirable crystalline silica dust (H350)
- Causes damage to organs (lungs) through prolonged or repeated exposure — silicosis (H372)

Precautionary and Response Statements:

- Obtain special instructions before use (P201)
- Do not handle until all safety precautions have been read and understood (P202)
- Do not breathe dust; in case of inadequate ventilation wear respiratory protection (P260) (P284)
- Wash hands and exposed skin thoroughly after handling (P264)
- Do not eat, drink, or smoke when using this product (P270)
- Contaminated work clothing should not be allowed out of the workplace (P272)
- Wear protective gloves, eye protection, and face protection (P280)
- IF ON SKIN: Wash with soap and water (P302) (P352)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305) (P351) (P338)
- IF exposed or concerned: Get medical advice/attention (P308) (P313)
- Get medical advice/attention if you feel unwell (P314)
- If skin irritation or rash occurs: Get medical advice/attention (P333) (P313)
- If eye irritation persists: Get medical advice/attention (P337) (P313)
- Store locked up (P405)
- Dispose of contents/container in accordance with local, state, and federal regulations (P501)

2.3 Other Hazards

Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes, and respiratory tract may occur from excessive exposure to dusts. See Section 11 for more information on health hazards.

⚠ This product contains crystalline silica (quartz). Normal wet/semi-solid use does not release respirable dust. Any activity generating airborne particulate (dry grinding, cutting, sweeping, or abrasion) must be treated as a crystalline silica exposure event requiring dust controls and respiratory protection.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture

Substances and hazard classification based on dust composition

Ingredient	CAS No.	% (w/w)	Hazard Classification (GHS-US)
Alumina (aluminum oxide)	1344-28-1	Varies	• STOT-RE 2 (Respiratory), H373 • Eye Irritation 2, H319
Aluminum Silicates (kaolins)	Various	Varies	• Skin Irritation 2, H315 • Eye Irritation 2, H319 • STOT-SE 3 (Respiratory), H335
Kaolin Clay	Various	Varies	• STOT-SE 3 (Respiratory), H335 • Eye Irritation 2, H319
*Quartz (Crystalline Silica)	14808-60-7	Varies	• Carcinogenicity 1A, H350 • STOT-RE 1 (Respiratory), H372 • STOT-SE 3, H335
Sodium Silicate	1344-09-8	~25	• Not classified as hazardous in this mixture product

* NIOSH recommends a maximum permissible concentration of 0.05 mg/m³ of respirable free silica as determined by a full-shift sample of up to a 10-hour workday / 40-hour work week.

"Varies" = exact weight percentage is proprietary; contact the manufacturer for details.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If feeling unwell, seek medical advice and show this SDS to the treating physician.

After Inhalation: Remove individual from exposure immediately. Keep at rest in a position comfortable for breathing. Consult a physician if breathing does not return to normal.

After Eye Contact: Flush eyes immediately with running water for at least 15 minutes. Remove contact lenses if present and easy to do; continue rinsing. Obtain immediate medical attention if irritation or redness persists.

After Skin Contact: Wash affected skin with soap and water. If an allergic reaction causes a rash that does not heal, consult a physician. Treat abrasions with disinfectant and apply bandages. Remove contaminated clothing and launder before reuse.

After Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if any adverse symptoms develop.

4.2 Most Important Symptoms and Effects — Both Acute and Delayed

General: The most important symptoms from dust exposure are respiratory irritation and, with prolonged exposure, chronic pulmonary disease.

Inhalation: Dusts may cause congestion and irritation of nasal and respiratory passages. Excessive exposure to crystalline silica over an extended period may result in pulmonary diseases including pneumoconiosis, silicosis, and cancer. Symptoms of silicosis include shortness of breath, wheezing,

cough, weight loss, fever, and sputum production. Evidence indicates an association with scleroderma and kidney lesions.

Eye Contact: Dust may cause mild to severe irritation by abrasion.

Skin Contact: Dust may cause allergic reactions; excessive contact may result in abrasions. 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. Prolonged dust exposure may aggravate existing respiratory disorders. Show this SDS to the treating physician.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Non-combustible product. Use extinguishing media appropriate for the surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not combustible. Product does not pose a fire hazard.

Explosion Hazard: Product does not pose an explosion hazard.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 Advice for Firefighters

Precautionary Measures: Exercise caution when fighting any fire in the vicinity of this product.

Firefighting Instructions: Do not allow run-off from firefighting to enter drains or water sources. Do not breathe fumes or vapors.

Protection During Firefighting: Do not enter fire area without proper protective equipment including respiratory protection (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. The primary hazard with dried spill material is dust generation. Prevent dust from becoming airborne.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate PPE (see Section 8).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip clean-up crew with proper PPE (see Section 8).

Emergency Procedures: Ventilate area. Use wet methods or HEPA-equipped vacuum — do NOT dry sweep. Avoid creating or spreading dust.

6.2 Environmental Precautions

Prevent material from entering drains, sewers, soil, or waterways. Notify local authorities if a release reaches the environment, as required.

6.3 Methods and Material for Containment and Clean-Up

Containment: Collect spilled material promptly to prevent drying and dust generation. Avoid actions that cause dust to become airborne.

Clean-up: Use wet sweeping or HEPA vacuum. Collect into labeled, closable containers. Dispose per Section 13. Flush area with water once bulk material is recovered.

6.4 Reference to Other Sections

See Section 8.2 for Exposure Controls and Personal Protection. For disposal information, refer to Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards when Processed: Cutting, crushing, or grinding this product will release respirable crystalline silica. Use all appropriate measures of dust control or suppression and PPE described in Section 8. Avoid dust production exceeding Permissible Exposure Limits.

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. Do not eat, drink, or smoke when handling this product. Wear steel-toed safety shoes.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in tightly closed containers; prevent material from drying out. Protect from freezing — freeze/thaw cycling may adversely affect product consistency. Store locked up and away from unauthorized personnel.

7.3 Specific End-Use(s)

Masonry / refractory mortar; bonding and setting agent for brick and tile products.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits (US)

For substances listed in Section 3 not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency (ACGIH TLV, NIOSH REL, OSHA PEL).

Alumina / Aluminum Silicates (CAS 1344-28-1 / Various)		
ACGIH(1)	TLV(2) TWA(3) (mg/m ³)	10 (total) 3 (respirable)
NIOSH(4)	REL(5) (mg/m ³)	None Established
OSHA(7)	PEL(8) (mg/m ³)	15 (total) 5 (respirable)

Silica, crystalline — Quartz (CAS 14808-60-7)		
ACGIH	TLV TWA (mg/m ³)	0.025 (respirable)
NIOSH	REL (mg/m ³)	0.05 (respirable) IDLH: 50 mg/m ³
OSHA	PEL (mg/m ³)	0.050 (respirable)

Kaolin Clay (Various CAS)		
ACGIH	TLV TWA (mg/m ³)	2 (respirable)
NIOSH	REL (mg/m ³)	None Established
OSHA	PEL (mg/m ³)	15 (total) / 5 (respirable)

Sodium Silicate (CAS 1344-09-8)		
ACGIH	TLV TWA (mg/m ³)	None Established
NIOSH	REL (mg/m ³)	None Established
OSHA	PEL (mg/m ³)	None Established

fn(1) American Conference of Governmental Industrial Hygienists

fn(2) Threshold Limit Values fn(3) Time-Weighted Average fn(4) National Institute for Occupational Safety & Health

fn(5) Recommended Exposure Limit fn(7) U.S. OSHA PEL at 29 CFR 1910.1000 fn(8) Permissible Exposure Limit

Confirm current limits at www.osha.gov before finalizing workplace exposure procedures.

8.2 Exposure Controls

Appropriate Engineering Controls: Use local exhaust or general dilution ventilation, wet dust suppression, or dust collection to maintain dust levels below exposure limits. Emergency eyewash stations and safety showers should be available in the vicinity of potential exposure. References: OSHA Respirable Crystalline Silica Standard for Construction [29 CFR 1926.1153] and General Industry [29 CFR 1910.1053].

Personal Protective Equipment: Protective goggles or safety glasses, chemical-resistant gloves, protective clothing, steel-toed safety shoes. When dust is present (cutting/grinding/chipping dry product) wear a NIOSH/MSHA-approved respirator (minimum N95 half-face) in accordance with the OSHA Respiratory Protection Standard [29 CFR 1910.134].

Hand Protection: Protective gloves to prevent abrasion and skin injuries.

Eye and/or Face Protection: Approved safety glasses with side shields, goggles, or face shield.

Skin and Body Protection: Appropriate work clothing and steel-toed footwear.

Respiratory Protection: NIOSH-approved respiratory protection worn in accordance with 29 CFR 1910.134 when exposure limits are exceeded or respiratory irritation is experienced. For crystalline silica dust, a half-face respirator with N95 or higher filter is the minimum recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State	:	Semi-solid (paste/mortar)
Appearance	:	Gray, viscous, semi-solid; mild odor
Odor	:	Mild
Odor Threshold	:	No data available
pH	:	No data available
Evaporation Rate	:	No data available
Melting Point	:	No data available
Freezing Point	:	No data available
Boiling Point	:	No data available
Flash Point	:	No data available (non-combustible)
Auto-Ignition Temperature	:	No data available

Decomposition Temperature	:	No data available
Flammability (solid, gas)	:	Not flammable
Vapor Pressure	:	No data available
Relative Vapor Density 20°C	:	No data available
Specific Gravity (H₂O=1)	:	1.98
Solubility	:	Water: Appreciable
Partition Coefficient N-Oct/Water	:	No data available
Viscosity	:	Semi-solid paste

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions of storage and handling.

10.2 Chemical Stability

Stable under normal ambient conditions.

10.3 Possibility of Hazardous Reactions

None. Hazardous polymerization will not occur.

10.4 Conditions to Avoid

None known.

10.5 Incompatible Materials

None known. Crystalline silica (quartz) will dissolve in hydrofluoric acid (HF) and produce the corrosive gas silicon tetrafluoride (SiF₄); this reaction requires HF and is not expected under normal use.

10.6 Hazardous Decomposition Products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Likely Routes of Exposure

Skin Contact: Product is abrasive and may irritate unprotected skin; excessive contact may result in abrasions. Dusts may cause allergic reactions.

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

Inhalation: When product is processed dry, respirable dust may be generated which can cause respiratory irritation. Prolonged or repeated 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.

Delayed and Chronic Effects: Inhalation of crystalline silica dust on a prolonged or repeated basis may result in chronic lung disease (silicosis) and lung cancer. Evidence indicates an association with scleroderma and kidney lesions.

11.3 Numerical Measures of Toxicity

The acute and chronic effects of exposure to this product's dust have not been fully quantified.

Acute Toxicity: Not classified.

Germ Cell Mutagenicity: Not classified.

Reproductive Toxicity: Not classified.

Component	Test	Result
Quartz / Crystalline Silica (CAS 14808-60-7)	LD ₅₀ (oral, rat)	> 5000 mg/kg
Alumina (CAS 1344-28-1)	LD ₅₀ (oral, rat)	> 5000 mg/kg
Sodium Silicate (CAS 1344-09-8)	LD ₅₀ (oral, rat)	1153 mg/kg

11.4 Carcinogenicity

Component	Agency	Classification
Quartz / Crystalline Silica (CAS 14808-60-7)	IARC(1)	Group 1, carcinogenic to humans
	NTP(2)	Known to be a human carcinogen
	OSHA(3)	Regulated as a carcinogen (29 CFR 1910.1053)

fn(1) International Agency for Research on Cancer

fn(2) National Toxicology Program

fn(3) OSHA Subpart Z – Toxic and Hazardous Substances [29 CFR 1910.1000]; also see 29 CFR 1910.1053

ACGIH TLV: Crystalline silica (quartz) is classified A2 — Suspected Human Carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not specifically evaluated. Inorganic mixture; alkalinity may be harmful to aquatic organisms at high concentrations.

12.2 Persistence and Degradability

Not established. Inorganic; not subject to biodegradation.

12.3 Bioaccumulative Potential

Not expected to bioaccumulate.

12.4 Mobility in Soil

Low to moderate (semi-solid paste; sets hard upon curing).

12.5 Other Adverse Effects

Avoid large releases to waterways. Note: OSHA does not require ecological data; this section is provided for informational purposes only.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Sewage Disposal Recommendations: Not applicable.

Waste Disposal Recommendations: This material in a dry, hardened state is classified as a non-hazardous solid waste under RCRA (40 CFR 261). Scrap material should be re-used or recycled where possible. Dispose of waste material in accordance with all applicable local, state, and federal solid waste regulations.

RCRA Classification: Non-hazardous solid waste in dry/hardened state. Confirm under 40 CFR 261 before disposal of large quantities or uncured wet material.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Not regulated for transport in normal semi-solid packaged form.

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 (Canada)

Not regulated for transport.

Confirm transportation classification with a qualified DOT/hazmat professional if the product is shipped in bulk or if regulations have changed.

SECTION 15: REGULATORY INFORMATION

15.1 U.S. Federal Regulations

Everset™ Mortar

OSHA Hazard Communication Standard

This SDS is prepared in accordance with the requirements of OSHA 29 CFR 1910.1200 (HazCom 2012 / GHS). This product is subject to the OSHA Crystalline Silica Standard: 29 CFR 1910.1053 (general industry) and/or 29 CFR 1926.1153 (construction) when operations generate respirable crystalline silica dust.

SARA Section 311/312 Hazard Classes

Health Hazard (Carcinogenicity 1A; STOT-RE 1; Skin Sensitization 1; Eye Irritation 2).

SARA Section 313 Emission Reporting

No components of this product are subject to SARA Section 313 reporting requirements (40 CFR Part 372).

TSCA Inventory

All constituents are included on the Toxic Substances Control Act Chemical Inventory or are exempt (40 CFR 720).

15.2 U.S. State Regulations

California Proposition 65 [California Health and Safety Code § 25249.6]

Warning required — Silica, crystalline (respirable particle size).

WARNING: Cancer — www.P65Warnings.ca.gov

SECTION 16: OTHER INFORMATION

Party Responsible for Preparation of this Document

Acme Brick Company

(501) 337-4407

www.brick.com

Revision Date

August 2026 (Version 2.0)

Converted from legacy MSDS (Acme Brick, June 1998) to current 16-section GHS/OSHA HazCom 2012 format.

Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

NOTE: Since this product contains quartz (crystalline silica) and it is conceivable that quartz could become airborne during use, it must be considered a health hazard even though normal use of the product in its wet/semi-solid state would not release dusts or pose a health risk. Any operation that dries, grinds, cuts, or abrades this product must be performed with appropriate dust controls and respiratory protection.

Limitations

The information set forth herein is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Key abbreviations: GHS = Globally Harmonized System. OSHA = Occupational Safety and Health Administration. PEL = Permissible Exposure Limit. TLV = Threshold Limit Value. TWA = Time-Weighted Average. ACGIH = American Conference of Governmental Industrial Hygienists. NIOSH = National Institute for Occupational Safety and Health. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program. STOT-RE = Specific Target Organ Toxicity, Repeated Exposure. RCRA = Resource Conservation and Recovery Act. SARA = Superfund Amendments and Reauthorization Act. TSCA = Toxic Substances Control Act. N/A = Not Applicable. NE = Not Established.