



Safety Data Sheet
SAKRETE Mortar/Stucco Mix Type S
©Roberts Concrete Products (a TCC Materials company)
Version 1.0

Roberts Concrete Products
2025 Centre Point Boulevard, Suite 300
Mendota Heights, MN 55120-1221

Emergency Telephone Number:
651-688-9116
Information Telephone Number
651-905-8137

Revision Date
March 2015

Section 1: Product Identification

Product Type: TCC Concrete-Based Products

Product Names:

SAKRETE Mortar/Stucco Mix Type S

Section 2: Hazard Identification

GHS-US Classification

Hazard class: Acute toxicity 4 (Oral)
Skin irritation 2
Serious eye damage 1
Skin sensitization 1
Carcinogenicity 1A
Specific Target Organ Toxicity After Single Exposure 3
Specific target organ toxicity – After repeated exposure 1

Hazard Pictogram:



Signal Word:

Danger

Hazard Statements:

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust. If exposed or concerned: Get medical



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advice/attention. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards

Other hazards not contributing to the classification: Not applicable

Sakrete Mortar-Stucco Mix Type S (Gray): 14% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: Composition/Information on Ingredients

Substances: Not applicable

Mixtures:

Ingredient	CAS No	Wt. %	GHS-US classification
Silica, crystalline, quartz	14808-60-7	30-85	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 STOT RE 1, H372
Cement, Portland, chemicals	65997-15-1	5-55	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Limestone	1317-65-3	0.5-17	Not classified.
Calcium magnesium hydroxide (CaMg(OH) ₄)	39445-23-3	1-5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Calcium magnesium hydroxide oxide (CaMg(OH) ₂ O)	58398-71-3	1-5	Not classified.
Gypsum (Ca(SO ₄).2H ₂ O)	13397-24-5	0.5-5	Not classified.
Calcium hydroxide	1305-62-0	0.5-5	Skin Corr. 1B, H314 Eye Dam. 1, H318
Calcium sulfate	7778-18-9	0.5-5	Not classified.



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Calcium oxide	1305-78-8	1.5-7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335.
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The exact percentage (concentration) of chemicals has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Section 4: First Aid Measures

Description of the First Aid Measure

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.



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Indication of Any Immediate Medical Attention and Special Treatments Needed:

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: Fire Fighting Measures

Flammability

Flammability: Not flammable by WHMIS/OSHA criteria.

Extinguishing Media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosive Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Special Protective Equipment and Precautions for Fire Fighters: Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and Materials for Containment and Clean-Up:

Methods for Containment: Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Vacuum or sweep material and place in a disposal container.



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Section 7: Handling and Storage

Precautions for Safe Handling

Handling: Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc., is not recommended. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. (See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for Safe Storage, Including Any Incompatibilities:

Storage: Keep out of the reach of children. Store in dust-tight, dry, labelled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. (See section 10)

Section 8: Exposure Controls/Personal Protection

Control Parameters:

Silica, crystalline, quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	(30)/(%SiO ₂ + 2) mg/m ³ TWA, total dust (250)/(%SiO ₂ + 5) mppcf TWA, respirable fraction (10)/(%SiO ₂ + 2) mg/m ³ TWA, respirable fraction
Cement, Portland, chemicals (65997-15-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Calcium sulfate (7778-18-9)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Gypsum (Ca(SO₄).2H₂O) (13397-24-5)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³



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Limestone (1317-65-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Calcium oxide (1305-78-8)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Calcium hydroxide (1305-62-0)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³

Exposure Guidelines:

Exposure Controls

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protective Measures

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye (properly fitted dust, or splash-proof chemical safety goggles) / face (face shield) protection.

Skin Protection:

Hand Protection: Wear suitable waterproof gloves.

Body Protections: Wear suitable waterproof protective clothing.

Respiratory protection: A NIOSH approved dust mask or filtering face-piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

General Health and Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Solid.
Appearance: Powder.
Color: Various.



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Odor:	Characteristic.
Odor Threshold:	No data available.
pH:	10 – 12
Relative evaporation rate (butylacetate=1)	No data available.
Melting Point:	No data available.
Freezing Point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Self-ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Flammability (solid, gas):	Not Flammable.
Vapor Pressure:	No data available.
Relative vapor density at 20°C:	No data available.
Relative Density/Specific Gravity:	No data available.
Solubility:	No data available.
Log Pow:	No data available.
Log Kow:	No data available.
Viscosity, kinematic:	No data available.
Viscosity, dynamic:	No data available.
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.
Explosive limits:	No data available.
VOC content:	0%, Not applicable; 0 wt, Not applicable.

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal storage conditions. Keep dry in storage.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Incompatible materials. Moisture.

Incompatible Materials: Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

Hazardous decomposition products: May include, and are not limited to: oxides of carbon.



Section 11: Toxicological Information

Information on Toxicological Effects

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

Eye: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact. Ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Acute toxicity: Harmful if swallowed.

Ingredient	IDLH	LC50	LD50
Silica, crystalline, quartz	Not available.	Not available.	Oral 500 mg/kg, rat
Portland cement	Not available.	Not available.	Not available.
Calcium sulfate	Not available.	Not available.	Oral >3000 mg/kg, rat
Calcium oxide	Not available.	Not available.	Oral 500 mg/kg, rat
Calcium hydroxide	Not available.	Not available.	Oral 7340 mg/kg, rat

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
No data available.	520-880 mg/kg, rat	No data available.

Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Causes damage to lungs through prolonged or repeated exposure. (Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP))



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as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)

Aspiration hazard: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact: Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact: Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Other Information: Likely routes of exposure: ingestion, inhalation, skin and eye.

Section 12: Ecological Information

Ecotoxicity

Acute/Chronic Toxicity: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Persistence and degradability: No data available.

Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste Treatment Methods



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Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

Section 14: Transportation

In accordance with DOT.

UN Number: Not applicable.

UN Proper Shipping Name: Not applicable.

Additional information: No supplementary information available.

Special Precautions for User: Do not handle until all safety precautions have been read and understood.

Section 15: Regulatory Information

US Federal Regulations

Silica, crystalline, quartz (14808-60-7)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Cement, Portland, chemicals (65997-15-1)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium sulfate (7778-18-9)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Limestone (1314-65-3)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium oxide (1305-78-8)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium magnesium hydroxide (CaMg(OH) ₄) (39445-23-3)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium magnesium hydroxide oxide (CaMg(OH) ₂ O) (58398-71-3)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Calcium hydroxide (1305-62-0)	Listed on the United States TSCA (Toxic Substances Control Act) inventory

State or local regulations: This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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NFPA-National Fire Protection Association:	
Health:	3
Fire:	1
Reactivity:	0

HMIS-Hazardous Materials Identification System:	
Health:	3*
Fire:	1
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

NFPA health hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Source Agency Carcinogen Classifications:

IARC (I) International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

- 1 - Evidence of Carcinogenicity;
- 2 - Known Human Carcinogens;
- 3 - Reasonably anticipated to be Human Carcinogen;
- 4 - Substances delisted from report on Carcinogens;
- 5 - Twelfth Report - Items under consideration.



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Section 16: Other Information

Additional information on the products is available at. www.tccmaterials.com

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