



**Sakrete Mortar/Stucco Mix Type S (Gray/White); Sakrete Surface Bonding Cement (Gray/White); Sakrete Non-Shrink Construction Grout; Sakrete Fast Setting Concrete Mix; Sakrete Stone Veneer Mortar; Sakrete Mortar Mix Type N; Sakrete Masonry Coating**

**Safety Data Sheet**

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

**2.4. Unknown acute toxicity (GHS US)**

*Sakrete Masonry Coating:* 34% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Surface Bonding Cement (Gray/White):* 25% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Non-Shrink Construction Grout:* 24% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Stone Veneer Mortar:* 18% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Mortar-Stucco Mix Type S (Gray):* 14% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Mortar-Stucco Mix Type S (White):* 12% of the mixture consists of ingredient(s) of unknown acute toxicity.  
*Sakrete Mortar Mix Type N:* 13% of the mixture consists of ingredient(s) of unknown acute toxicity.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable.

**3.2. Mixture**

Name	Product identifier	%	GHS-US classification
Quartz	(CAS No) 14808-60-7	30 - 85	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 STOT RE 1, H372
Cement, portland, chemicals	(CAS No) 65997-15-1	5 - 55	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Limestone	(CAS No) 1317-65-3	0.5 - 17	Not classified
Calcium magnesium hydroxide (CaMg(OH)4)	(CAS No) 39445-23-3	1 - 5 <sup>1</sup>	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Calcium magnesium hydroxide oxide (CaMg(OH)2O)	(CAS No) 58398-71-3	1 - 5 <sup>1</sup>	Not classified
Gypsum (Ca(SO4).2H2O)	(CAS No) 13397-24-5	0.5 - 5	Not classified
Calcium hydroxide	(CAS No) 1305-62-0	0.5 - 5 <sup>1</sup>	Skin Corr. 1B, H314 Eye Dam. 1, H318
Calcium sulfate	(CAS No) 7778-18-9	0.5 - 5	Not classified
Calcium oxide	(CAS No) 1305-78-8	0.5 - 2	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Cement, alumina, chemicals	(CAS No) 65997-16-2	1 - 5 <sup>2</sup>	Skin Irrit. 2, H315 Eye Dam. 1, H318

<sup>1</sup>Sakrete Mortar/Stucco Mix Type S (White); Sakrete Masonry Coating

<sup>2</sup>Sakrete Fast Setting Concrete Mix; Sakrete Non-Shrink Construction Grout

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- 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.

**4.2. 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.

**4.3. Indication of any immediate medical attention and special treatment needed**

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Treat for surrounding material.  
 Unsuitable extinguishing media : Not available.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

**5.3. Advice for firefighters**

Firefighting instructions : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**SECTION 6: Accidental release measures**

**6.1. 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.

**6.2. Methods and material for containment and cleaning up**

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.

**6.3. Reference to other sections**

No additional information available.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of 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, drink or smoke.  
 Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Keep out of the reach of children. Store in dust-tight, dry, labelled containers. Keep container tightly 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.

**7.3. Specific end use(s)**

No additional information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

<b>Quartz (14808-60-7)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, total dust (250)/(%SiO <sub>2</sub> + 5) mppcf TWA, respirable fraction (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA, respirable fraction
<b>Cement, portland, chemicals (65997-15-1)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Calcium sulfate (7778-18-9)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Gypsum (Ca(SO<sub>4</sub>).2H<sub>2</sub>O) (13397-24-5)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Limestone (1317-65-3)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

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<b>Limestone (1317-65-3)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Calcium oxide (1305-78-8)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>Calcium hydroxide (1305-62-0)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

**8.2. Exposure controls**

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable waterproof gloves.
Eye protection	: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin and body protection	: Wear suitable waterproof protective clothing.
Respiratory protection	: A NIOSH approved dust mask or filtering facepiece 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).
Other information	: Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Powder.
Colour	: Various.
Odour	: Characteristic.
Odour 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.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: 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.
Oxidising properties	: No data available.
Explosive limits	: No data available.

**9.2. Other information**

VOC content	: 0%, Not applicable; 0 wt, Not applicable.
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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

Stable under normal storage conditions. Keep dry in storage.

**10.3. Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid**

Incompatible materials. Moisture.

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Harmful if swallowed.

<b>Quartz (14808-60-7)</b>	
LD50 oral rat	500 mg/kg
<b>Calcium sulfate (7778-18-9)</b>	
LD50 oral rat	> 3000 mg/kg
<b>Calcium oxide (1305-78-8)</b>	
LD50 oral rat	500 mg/kg
<b>Calcium hydroxide (1305-62-0)</b>	
LD50 oral rat	7340 mg/kg

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ATE (oral)	520 - 880 mg/kg, rat
ATE (dermal)	No data available.
ATE (inhalation)	No data available.

Skin corrosion/irritation : Causes skin irritation.  
 Serious eye damage/irritation : Causes serious eye damage.  
 Respiratory or skin sensitisation : May cause an allergic skin reaction.  
 Germ cell mutagenicity : Based on available data, the classification criteria are not met.  
 Carcinogenicity : May cause cancer.

<b>Quartz (14808-60-7)</b>	
IARC group	1
National Toxicity Program (NTP) Status	2

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) 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.

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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**

**12.1. Toxicity**

Ecology - general	: <b>ENVIRONMENTAL EFFECT ON AQUATIC HABITAT:</b> Uncured cementitious materials or finely divided (crushed) concrete material is an environmental hazard, which may adversely affect fish and other wildlife. Do not use crushed concrete as fill near any aquatic habitat. Dispose of construction debris containing cement, including empty bags at a permitted landfill or by a disposal firm. Discharge of large quantities to any waterways would be expected to cause significant consequence on aquatic habitat. Do not use crushed concrete as fill near any aquatic habitat. 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.
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<b>Calcium sulfate (7778-18-9)</b>	
LC50 fishes 1	2980 mg/l (96 h: Lepomis macrochirus [static])
LC50 fish 2	> 1970 mg/l (96 h: Pimephales promelas [static])

<b>Calcium oxide (1305-78-8)</b>	
LC50 fishes 1	1070 mg/l (96 h: Cyprinus carpio [static])

**12.2. Persistence and degradability**

<b>Sakrete Mortar/Stucco Mix Type S (Gray/White); Sakrete Surface Bonding Cement (Gray/White); Sakrete Non-Shrink Construction Grout; Sakrete Fast Setting Concrete Mix ; Sakrete Stone Veneer Mortar; Sakrete Mortar Mix Type N; Sakrete Masonry Coating</b>	
Persistence and degradability	No data available.

**12.3. Bioaccumulative potential**

<b>Sakrete Mortar/Stucco Mix Type S (Gray/White); Sakrete Surface Bonding Cement (Gray/White); Sakrete Non-Shrink Construction Grout; Sakrete Fast Setting Concrete Mix ; Sakrete Stone Veneer Mortar; Sakrete Mortar Mix Type N; Sakrete Masonry Coating</b>	
Bioaccumulative potential	No data available.

<b>Calcium oxide (1305-78-8)</b>	
BCF fish 1	(no bioaccumulation)

<b>Calcium hydroxide (1305-62-0)</b>	
BCF fish 1	(no bioaccumulation)

**12.4. Mobility in soil**

<b>Sakrete Mortar/Stucco Mix Type S (Gray/White); Sakrete Surface Bonding Cement (Gray/White); Sakrete Non-Shrink Construction Grout; Sakrete Fast Setting Concrete Mix ; Sakrete Stone Veneer Mortar; Sakrete Mortar Mix Type N; Sakrete Masonry Coating</b>	
Ecology - soil	No data available.

**12.5. Other adverse effects**

Other adverse effects	: No data available.
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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
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**SECTION 14: Transport information**

In accordance with DOT.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Additional information**

Other information	: No supplementary information available.
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**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

**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 (1317-65-3)**

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

**Cement, alumina, chemicals (65997-16-2)**

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)2O) (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

**15.2. US State regulations**

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State or local regulations

PROPOSITION 65 WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**SOURCE AGENCY CARCII GEN CLASSIFICATIONS:**

<b>IARC (I)</b>	<b>International Agency for Research on Cancer.</b> 1 - Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable; 4 - Probably not carcinogenic to humans.
<b>NTP (N)</b>	<b>National Toxicology Program.</b> 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.

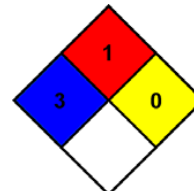
**SECTION 16: Other information**

Data sources : SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

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.



*This information 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*