



Safety Data Sheet

Self-Consolidating Concrete Mix

Version 1.0

Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217

For Hazardous Materials [or Dangerous Goods]
Incident, Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 [USA] / +1 703-527-3887 [CAN]

Revision Date
2018-01-31

Section 1: Product Identification

Product Type: Concrete-Based Products (Patches, Grouts, Mortars)

Product Names:

Self-Consolidating Concrete Mix

Section 2: Hazard Identification

Classification of the chemical:

Hazard class:

Acute toxicity 4 (Oral)
Skin irritation 2
Serious eye damage 1
Skin sensitization 1
Carcinogenicity 1A
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. Do not breathe dust. 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



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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 exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards not contributing to the classification: Not applicable.

Unknown acute toxicity: Sakrete Crack Resistant Concrete Mix; 7 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: Hazardous Ingredients/Composition

Ingredient	CAS #	Typical %	GHS-US Classification
Quartz	14808-60-7	60-100%	Acute Tox. 4 (Oral) Carc. 1A STOT RE 1
Cement, Portland, chemicals	65997-15-1	10-25%	Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 STOT SE 3
Fly Ash	68131-74-8	0-10%	Not classified

* 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

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.



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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.

Indication of Any Immediate Medical Attention and Special Treatments 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).

Section 5: Fire Fighting Measures

Extinguishing Media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture

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

Advice for fire fighters

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

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.



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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.

Section 7: Handling and Storage

Precautions for Safe Handling:

Precautions for safe handling: Do not swallow. Avoid contact with skin and eyes. 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, drink or smoke.

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

Conditions for Safe Storage, Including Any Incompatibilities:

Storage conditions: 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.

Specific end use(s): No additional information available.

Section 8: Exposure Controls/Personal Protection

Control Parameters

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



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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
Fly Ash (68131-74-8)		
USA ACGIH	ACGIH TWA (mg/m ³)	N/A
USA OSHA	OSHA PEL (TWA) (mg/m ³)	N/A

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 (properly fitted dust, or splash-proof chemical safety goggles) / face (face shield) protection.

Skin and body protection: 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).

Other information: 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.
Odor:	Characteristic.
Odor Threshold:	No data available.
pH:	12 – 13
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.



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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:	No data available.
Solubility:	No data available.
Low Pow:	No data available.
Low 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.

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:

Acute toxicity: Harmful if swallowed.

Sakrete Crack Resistant Concrete Mix	
LD50 oral rat	560 - 590 mg/kg
LD50 dermal rabbit	No data available.
LC50 inhalation rat (mg/l)	No data available.

Quartz (14808-60-7)	
LD50 oral rat	500 mg/kg



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Calcium sulfate (7778-18-9)	
LD50 oral rat	>3000 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: May cause cancer.

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

Iron oxide (Fe₂O₃) (1309-37-1)	
IARC group	3

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

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

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

Toxicity:

Ecology - general: 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:

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

Section 14: Transportation

In accordance with DOT

UN Number:	Not applicable.
UN Proper Shipping Name:	Not applicable.
Additional information:	No supplementary information available.
Special transport precautions:	Do not handle until all safety precautions have been read and understood.



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Section 15: Regulatory Information

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

Iron oxide (Fe₂O₃) (1309-37-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State regulations

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

Source Agency Carcinogen Classifications:

IARC (I) International Agency for Research on Cancer.

- 1 - Carcinogenic to humans;
- 2A - Probably carcinogenic to humans;
- 2B – Possibly carcinogenic to humans;
- 3 - Not classifiable;
- 4 - Probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

- 1 - Known to be 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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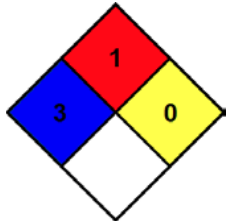
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Section 16: Other Information

Indication of changes: None.

Other information: None.



NFPA health hazard: 3 – Short exposure could cause serious 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.

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

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