Sakrete Fence Post Mix; Sakrete Crack Resistant Concrete Mix
Safety Data Sheet
Date of issue: 02/14/2014 Revision date: 01/31/2018 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form : Mixture
Product name & Code
Sakrete Fence Post Mix
Product code: 65200811 - 80lb bag
Sakrete Crack Resistant Concrete Mix
Product code: 65201090 - 80lb bag

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Various.

1.3. Details of the supplier of the safety data sheet
Sakrete of North America
625 Griffith Rd., Ste 100 Charlotte, NC 28217
T 800-334-0784 Tech Service: Monday - Friday; 8:00am - 5:00pm EST

1.4. Emergency telephone number
Emergency number : 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]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Acute toxicity 4 (Oral)
Skin Irritation 2
Serious Eye Damage 1
Skin Sensitization 1
Carcinogenicity 1A
Specific Target Organ Toxicity After Repeated Exposure 1

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) :
Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to lungs through prolonged or repeated exposure.
Precautionary statements (GHS-US) :
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 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.

2.3. Other hazards
Other hazards not contributing to the classification : Not applicable.

2.4. Unknown acute toxicity (GHS-US)
Sakrete Fence Post Mix: 5% of the mixture consists of ingredient(s) of unknown acute toxicity.
Sakrete Crack Resistant Concrete Mix: 7% of the mixture consists of ingredient(s) of unknown acute toxicity.
### SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>60 - 100</td>
<td>Acute Tox. 4 (Oral) Carc. 1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1</td>
</tr>
<tr>
<td>Cement, portland, chemicals</td>
<td>(CAS No) 65997-15-1</td>
<td>4 - 13</td>
<td>Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 STOT SE 3</td>
</tr>
<tr>
<td>Iron oxide (Fe2O3)</td>
<td>(CAS No) 1309-37-1</td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Calcium sulfate</td>
<td>(CAS No) 7778-18-9</td>
<td>0.5 - 1.5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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 sensitisation 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).

### 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**

- **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.

- **Hygiene measures**
  - Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

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

- **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/m³) 0.025 mg/m³
    - USA OSHA: OSHA PEL (TWA) (mg/m³) (30)/(%SiO₂ + 2) mg/m³ TWA, total dust
    - USA OSHA: OSHA PEL (TWA) (mg/m³) (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction
    - USA OSHA: OSHA PEL (TWA) (mg/m³) (10)/(%SiO₂ + 2) mg/m³ TWA, respirable fraction
  - **Cement, portland, chemicals (65997-15-1)**
    - USA ACGIH: ACGIH TWA (mg/m³) 1 mg/m³
    - USA OSHA: OSHA PEL (TWA) (mg/m³) 5 mg/m³
  - **Calcium sulfate (7778-18-9)**
    - USA ACGIH: ACGIH TWA (mg/m³) 10 mg/m³
    - USA OSHA: OSHA PEL (TWA) (mg/m³) 5 mg/m³
  - **Iron oxide (Fe₂O₃) (1309-37-1)**
    - USA ACGIH: ACGIH TWA (mg/m³) 5 mg/m³
    - USA OSHA: OSHA PEL (TWA) (mg/m³) 10 mg/m³

- **Exposure controls**
  - **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**
    - 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.
  - **Colour**
    - Various.
  - **Odour**
    - Characteristic.
  - **Odour 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.
Sakrete Fence Post Mix; Sakrete Crack Resistant Concrete Mix
Safety Data Sheet

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.
Vapour pressure: No data available.
Viscosity, kinetic: 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.

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.

<table>
<thead>
<tr>
<th>Sakrete Fence Post Mix; Sakrete Crack Resistant Concrete Mix</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rabbit</th>
<th>LC50 inhalation rat (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>LD50 oral rat</td>
<td>500 mg/kg</td>
<td>No data available.</td>
</tr>
<tr>
<td>Calcium sulfate (7778-18-9)</td>
<td>LD50 oral rat</td>
<td>500 mg/kg</td>
<td>No data available.</td>
</tr>
<tr>
<td>Iron oxide (Fe2O3) (1309-37-1)</td>
<td>LD50 oral rat</td>
<td>&gt; 3000 mg/kg</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

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.

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 sensitisation 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

12.1. 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.

12.2. Persistence and degradability

| Persistence and degradability | No data available. |

12.3. Bioaccumulative potential

| Bioaccumulative potential | No data available. |

12.4. Mobility in soil

| Ecology - soil | No data available. |

12.5. Other adverse effects

| Other adverse effects | No data available. |

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.

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. |

| Special transport precautions | Do not handle until all safety precautions have been read and understood. |
SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Inventory Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Cement, portland, chemicals (65997-15-1)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Calcium sulfate (7778-18-9)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Iron oxide (Fe2O3) (1309-37-1)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

15.2. US State 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:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC (I)</td>
<td>1 - Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable; 4 - Probably not carcinogenic to humans.</td>
</tr>
<tr>
<td>NTP (N)</td>
<td>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.</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indication of changes</td>
<td>None.</td>
</tr>
<tr>
<td>Other information</td>
<td>None.</td>
</tr>
<tr>
<td>NFPA health hazard</td>
<td>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</td>
</tr>
<tr>
<td>NFPA fire hazard</td>
<td>1 - Must be preheated before ignition can occur.</td>
</tr>
<tr>
<td>NFPA reactivity</td>
<td>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</td>
</tr>
</tbody>
</table>

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.