Sakrete Concrete & Mortar Repair
Safety Data Sheet
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom
2012 Date of issue: 04/08/2015 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 name: Sakrete Concrete & Mortar Repair
Product code: Not available

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

1.3. Details of the supplier of the safety data sheet
Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217
T 866-725-7383

1.4. Emergency telephone number
Emergency number: CHEMTREC
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
Specific target organ toxicity - Repeated exposure 1

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

Signal word (GHS-US): Danger
Hazard statements (GHS-US): Causes damage to organs through prolonged or repeated exposure.
Precautionary statements (GHS-US): Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical advice/attention if you feel unwell. Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Other hazards
No additional information available.

2.4. Unknown acute toxicity (GHS US)
25 percent of the mixture consists of ingredients 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>Limestone</td>
<td>(CAS No) 1317-65-3</td>
<td>45-65</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>(CAS No) 13463-67-7</td>
<td>0.05 - 5</td>
<td>Carc. 2¹</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>(CAS No) 8052-41-3</td>
<td>0.05 - 3</td>
<td>Flam. Liq. 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>(CAS No) 107-21-1</td>
<td>&lt;2</td>
<td>Acute Tox. 4 (Oral)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1</td>
</tr>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>&lt;0.1 - 1</td>
<td>Carc. 1A¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1¹</td>
</tr>
</tbody>
</table>

¹Only applies to airborne particles of respirable size
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: If irritation occurs, flush skin with plenty of water. Get medical attention if irritation 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. If irritation persists, get medical attention.

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. Get medical advice/attention if you feel unwell.

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: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be 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: None known.

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

Protection during firefighting: 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 and/or absorb spill with inert material (e.g. sand, vermiculite), 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: Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool area. Keep from freezing.

7.3. Specific end use(s)

Not available.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone (1317-65-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>15 mg/m³ (total dust)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>5 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>15 mg/m³ (total dust)</td>
</tr>
<tr>
<td>Stoddard solvent (8052-41-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>2900 mg/m³</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (ppm)</td>
<td></td>
<td>500 ppm</td>
</tr>
<tr>
<td>Ethylene glycol (107-21-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH Ceiling (mg/m³)</td>
<td></td>
<td>100 mg/m³ (aerosol only)</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td></td>
<td>0.025 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td></td>
<td>((10 mg/m3)/(%SiO2+2) TWA (resp))</td>
</tr>
<tr>
<td></td>
<td></td>
<td>((30 mg/m3)/(%SiO2+2) TWA (total))</td>
</tr>
<tr>
<td></td>
<td></td>
<td>((250)/(%SiO2+5) mppcf TWA (resp))</td>
</tr>
</tbody>
</table>

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 gloves.

Eye protection
Safety glasses with side shields.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls
Maintain levels below Community environmental protection thresholds.

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

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Paste-like compound</td>
</tr>
<tr>
<td>Colour</td>
<td>Black or grey</td>
</tr>
<tr>
<td>Odour</td>
<td>Sweet acrylic with slight ammonia odor</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7.5 - 9</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>&lt; 32 °F (&lt; 0 °C)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 200 °F (&gt; 93.3 °C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (ether=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Vapour pressure: 25 mm Hg @ 68 °F (20 °C)
Relative density: No data available
Relative vapour density (air = 1): > 1
Solubility: Dispersible
Partition coefficient: n-octanol/water: No data available
Log Kow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available

9.2. Other information
No additional information available.

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.

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

10.4. Conditions to avoid
Heat. Incompatible materials.

10.5. Incompatible materials
Strong oxidizers.

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: Not classified.

<table>
<thead>
<tr>
<th>Sakrete Concrete &amp; Mortar Repair</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rabbit</th>
<th>LC50 inhalation rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Limestone (1317-65-3)</th>
<th>LD50 oral rat</th>
<th>6450 mg/kg</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Titanium dioxide (13463-67-7)</th>
<th>LD50 oral rat</th>
<th>&gt; 10000 mg/kg</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Ethylene glycol (107-21-1)</th>
<th>LD50 oral rat</th>
<th>4000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>9530 µL/kg</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.

Titanium dioxide (13463-67-7): IARC group 2B - Possibly carcinogenic to humans (airborne, unbound particles of respirable size)
Quartz (14808-60-7): IARC group 1 - Carcinogenic to humans (airborne, unbound particles of respirable size)
Quartz (14808-60-7)

| National Toxicology Program (NTP) Status | 2 - Known Human Carcinogens (airborne, unbound particles of respirable size) |

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 organs through prolonged or repeated 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: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Sakrete Concrete & Mortar Repair

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Sakrete Concrete & Mortar Repair

Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

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. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT.

Not regulated for transport.

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

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Ethylene glycol (107-21-1)

Listed on United States SARA Section 313

EPA TSCA Regulatory Flag: Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

SARA Section 313 - Emission Reporting: 1.0 %

15.2. US State regulations

Sakrete Concrete & Mortar Repair

State or local regulations: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
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**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of issue</td>
<td>04/08/2015</td>
</tr>
<tr>
<td>Other information</td>
<td>None</td>
</tr>
</tbody>
</table>

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