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

1.1. Product identifier

Product name: Sakrete Concrete Bonder & Fortifier
Product code: 60205000 – qt, 60205002 – gal

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 866-725-7383

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

Classification (GHS-US): Not classified.

2.2. Label elements

GHS-US labelling: No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene oxide</td>
<td>(CAS No) 75-21-8</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>(CAS No) 50-00-0</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>

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. 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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory 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.

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. Avoid breathing vapour or mist. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Ethylene oxide is subject to the standard 29 CFR 1910.1047 and Formaldehyde is subject to the standard 29 CFR 1910.1048 which may contain specific requirements for handling including protective equipment, regulated areas, monitoring and medical surveillance. The employer should review the standards and assure compliance with applicable requirements.
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. Keep container tightly closed. Store in a cool, dry location.

7.3. Specific end use(s)
Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ethylene oxide (75-21-8)</th>
<th>ACGIH ACGIH TWA (ppm)</th>
<th>1 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA OSHA PEL (TWA) (ppm)</td>
<td>1 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA OSHA PEL (STEL) (ppm)</td>
<td>5 ppm (see 29 CFR 1910.1047)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Formaldehyde (50-00-0)</th>
<th>ACGIH ACGIH Ceiling (ppm)</th>
<th>0.3 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA OSHA PEL (TWA) (ppm)</td>
<td>0.75 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA OSHA PEL (STEL) (ppm)</td>
<td>2 ppm (see 29 CFR 1910.1048)</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 or goggles are recommended when using product.
### Skin and body protection
Wear suitable protective clothing.

### Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### 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>No data available.</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available.</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</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>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>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information
VOC content : No data 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
Incompatible materials.

#### 10.5. Incompatible materials
Materials that react violently or explosively with water.

#### 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>Substance</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
<th>LC50 inhalation rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sakrete Concrete Bonder &amp; Fortifier</td>
<td></td>
<td>No data available.</td>
<td>No data available.</td>
</tr>
<tr>
<td>Ethylene oxide (75-21-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Formaldehyde (50-00-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>72 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>270 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>0.578 mg/l/4h</td>
<td></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.

Ethylene oxide (75-21-8)

- IARC group: 1 - Carcinogenic to humans
- National Toxicology Program (NTP) Status: 2 - Known Human Carcinogens
- In OSHA Specifically Regulated Carcinogen list: Yes

Formaldehyde (50-00-0)

- IARC group: 1 - Carcinogenic to humans
- National Toxicology Program (NTP) Status: 2 - Known Human Carcinogens
- In OSHA Specifically Regulated Carcinogen list: Yes

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

**Aspiration hazard**: 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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sakrete Concrete Bonder &amp; Fortifier</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sakrete Concrete Bonder &amp; Fortifier</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

**Effect on the global warming**: No known effects from 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.

SECTION 14: Transport information

Department of Transportation (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 oxide (75-21-8)

Listed on the United States SARA Section 302
Subject to reporting requirements of United States SARA Section 313

| SARA Section 302 Threshold Planning Quantity (TPQ) | 1000 lb |
| SARA Section 313 - Emission Reporting | 0.1 % |

Formaldehyde (50-00-0)

Listed on the United States SARA Section 302
Subject to reporting requirements of United States SARA Section 313

| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 lb |
| SARA Section 313 - Emission Reporting | 0.1 % |

15.2. US State regulations

Sakrete Concrete Bonder & Fortifier

State or local regulations: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

SECTION 16: Other information

Date of issue: 01/20/2014

Revision date: 06/27/2016

Version: 2.0

Other information: None.

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