### SECTION 1: Identification

1.1. Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Sakrete All Weather Blacktop Patch</td>
</tr>
</tbody>
</table>

1.2. Recommended use and restrictions on use

<table>
<thead>
<tr>
<th>Recommended use</th>
<th>Road and construction applications</th>
</tr>
</thead>
</table>

1.3. Supplier

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  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Spill, Leak, Fire, Exposure, or Accident</td>
</tr>
<tr>
<td></td>
<td>Call CHEMTREC Day or Night</td>
</tr>
<tr>
<td></td>
<td>1-800-424-9300 [USA] / +1 703-527-3887 [CAN]</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 1A  
STOT RE 1

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS08</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Danger</th>
</tr>
</thead>
</table>
| Hazard statements (GHS-US)| May cause cancer  
|                           | Causes damage to lungs through prolonged or repeated exposure |
| Precautionary statements (GHS-US) | Obtain special instructions before use  
|                                         | Do not handle until all safety precautions have been read and understood  
|                                         | Do not breathe dust/fume/gas/mist/vapors/spray  
|                                         | Wash hands, forearms and face thoroughly after handling  
|                                         | Do not eat, drink or smoke when using this product  
|                                         | Wear protective gloves/protective clothing/eye protection/face protection  
|                                         | If exposed or concerned: Get medical advice/attention  
|                                         | Store locked up  
|                                         | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation |

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>(CAS-No.) 8052-42-4</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Quartz</td>
<td>(CAS-No.) 14808-60-7</td>
<td>&gt;1</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

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 skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

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

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

Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2), dry chemical powder, water spray.

Unsuitable extinguishing media: None known.

5.2. Specific hazards arising from the chemical

Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Hydrogen sulfide. Toxic and irritating gases may be released.

Reactivity: No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

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.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. 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.

6.4. Reference to other sections
For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

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

Hygiene measures: Wash contaminated clothing before reuse. Always wash hands after handling the product.

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 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>NIOSH REL (ceiling) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt (8052-42-4)</td>
<td>0.5 mg/m³ (fume, inhalable particulate matter)</td>
<td>5 mg/m³ (fume)</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td>0.025 mg/m³ (respirable particulate matter)</td>
<td>50 µg/m³</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls
Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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 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 in accordance with good industrial hygiene and safety procedures. 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: Granulated
**Sakrete All Weather Blacktop Patch**

**Safety Data Sheet**


- **Color**: Black
- **Odor**: Mild petroleum odour
- **Odor threshold**: No data available
- **pH**: No data available
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapor pressure**: No data available
- **Relative vapor density at 20 °C**: No data available
- **Relative density**: > 2.3
- **Solubility**: Insoluble
- **Partition coefficient n-octanol/water**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available
- **Explosion limits**: No data available
- **Explosive properties**: Not explosive.
- **Oxidizing properties**: No data available

9.2. **Other information**

**VOC content** : 0%, Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Moisture. Incompatible materials.

### 10.5. Incompatible materials


### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Hydrogen sulfide. Toxic and irritating gases may be released.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** : Not classified

<table>
<thead>
<tr>
<th><strong>Asphalt (8052-42-4)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation** : Not classified

**Serious eye damage/irritation** : Not classified

**Respiratory or skin sensitization** : Not classified

**Germ cell mutagenicity** : Not classified

**Carcinogenicity** : May cause cancer.
Asphalt (8052-42-4)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>2B - Possibly carcinogenic to humans</td>
</tr>
<tr>
<td>In OSHA Hazard Communication Carcinogen list</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Quartz (14808-60-7)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>1 - Carcinogenic to humans</td>
</tr>
<tr>
<td>National Toxicology Program (NTP) Status</td>
<td>2 - Known Human Carcinogens</td>
</tr>
<tr>
<td>In OSHA Hazard Communication Carcinogen list</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-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 : Not classified
Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
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.

12.2. Persistence and degradability
Sakrete All Weather Blacktop Patch
Persistence and degradability : Not established.

12.3. Bioaccumulative potential
Sakrete All Weather Blacktop Patch
Bioaccumulative potential : Not established.

Asphalt (8052-42-4)
BCF fish 1 : (no bioaccumulation expected)
Partition coefficient n-octanol/water : > 6

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.
Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods
Product/Packaging 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

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 except for:

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium magnesium dicarbonate</td>
<td>7000-29-5</td>
</tr>
</tbody>
</table>

15.2. International regulations
No additional information available

15.3. US State regulations
California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: Other information

Date of issue : 05/08/2017
Revision date : 01/31/2018
Other information : None.
Prepared by : Nexreg Compliance Inc.
               www.Nexreg.com

SDS US (GHS HazCom 2012)_NEXREG_NEW

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