Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sakrete Concrete Asphalt Cleaner
Product Use: Degreaser.
Manufacturer/Supplier: Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217
Phone Number: 1-866-725-7383
Emergency Phone: 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]
Date of Preparation: October 10, 2014

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER
CORROSIVE TO METALS. IRRITATING TO EYES. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: Irritating to eyes. May cause burns.
Skin: May cause skin irritation.
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl.-omega.-hydroxy-</td>
<td>127036-24-2</td>
<td>3 - 7</td>
</tr>
<tr>
<td>,branched and linear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate</td>
<td>64-02-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>57-55-6</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>
## Section 4: FIRST AID MEASURES

**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.
Skin Contact: In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

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### Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by WHMIS criteria.

**Means of Extinction:**
- **Suitable Extinguishing Media:** Treat for surrounding material.
- **Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**
- **Sensitivity to Mechanical Impact:** Not available.
- **Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

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### Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Spills of this material are a slipping hazard.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain spill and neutralize with dilute acid such as acetic (vinegar) and flush with water. Do not wash un-neutralized product into sewers or waterways. If on site neutralization is not possible, absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container.

**Methods for Clean-Up:** Scoop up material and place in a disposal container. Provide ventilation.

**Other Information:** Not available.

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### Section 7: HANDLING AND STORAGE

**Handling:**
Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**
Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool place, away from incompatibles. Do not store in metal containers.
Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Exposure Limits ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-.branched and linear</td>
<td>Not available.</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate</td>
<td>Not available.</td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>Not available.</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:
- **Eye/Face Protection**: Wear eye/face protection.
- **Hand Protection**: Wear suitable gloves.
- **Skin and Body Protection**: Wear suitable protective clothing.
- **Respiratory Protection**: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Not available.</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>Soapy.</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid.</td>
</tr>
<tr>
<td>pH</td>
<td>11</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 100 °C (&gt; 212 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not available.</td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Vapor Density: Not available.
Specific Gravity: 1.038 g/cc @ 25 °C (77 °F)
Solubility in Water: Complete.
Coefficient of Water/Oil Distribution: Not available.
Auto-ignition Temperature: Not available.
Percent Volatile, wt. %: Not available.
VOC content, wt. %: Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.
Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD₅₀ (oral)</th>
<th>LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl.-omega.-hydroxy-,branched and linear</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg, rat</td>
<td>Not available.</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate</td>
<td>1658 mg/kg, rat</td>
<td>Not available.</td>
</tr>
<tr>
<td>1,2-Propylene glycol</td>
<td>20000 mg/kg, rat</td>
<td>Not available.</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides</td>
<td>580 mg/kg, rat</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Eye: Irritating to eyes. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Inhalation: May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.
Chronic Effects: Not hazardous by WHMIS criteria.
Carcinogenicity: Not hazardous by WHMIS criteria.

Ingredient | Chemical Listed as Carcinogen or Potential Carcinogen *
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl.-omega.-hydroxy-,branched and linear</td>
<td>Not listed.</td>
</tr>
</tbody>
</table>
MATERIAL SAFETY DATA SHEET
Sakrete Concrete Asphalt Cleaner

hydroxy-, branched and linear
Sodium carbonate
Tetrasodium ethylenediaminetetraacetate
1,2-Propanediol
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.
Reproductive Effects: Not hazardous by WHMIS criteria.
Developmental Effects:
  Teratogenicity: Not hazardous by WHMIS criteria.
  Embryotoxicity: Not hazardous by WHMIS criteria.
Respiratory Sensitization: Not hazardous by WHMIS criteria.
Skin Sensitization: Not hazardous by WHMIS criteria.
Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.
Persistence / Degradability: Not available.
Bioaccumulation / Accumulation: Not available.
Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:
This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

TDG Classification
UN1760, Corrosive Liquid N.O.S. (Sodium carbonate), Class 8, PG III
Limited Quantity (≤ 5L)

Section 15: REGULATORY INFORMATION

Federal Regulations
  Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Global Inventories

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear</td>
<td>DSL</td>
</tr>
</tbody>
</table>
Sodium carbonate
Tetrasodium ethylenediaminetetraacetate
1,2-Propylene glycol
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides

HMIS - Hazardous Materials Identification System

Health - 2  Flammability - 0  Physical Hazard - 1  PPE – B

NFPA - National Fire Protection Association:

Health - 2  Fire - 0  Reactivity - 1

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme
WHMIS Classification(s):
Class D2B - Skin/Eye Irritant
Class E - Corrosive Material

WHMIS Hazard Symbols:

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

ACGIH (G) American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

Expiry Date: October 10, 2017
Version #: 1.0
Prepared by: Nexreg Compliance Inc.
Phone: (519) 488-5126
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