01 Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Nine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use</td>
<td>Freezer Cleaner</td>
</tr>
<tr>
<td>Product Code</td>
<td>3519</td>
</tr>
<tr>
<td>For Medical Emergency</td>
<td>Call ‘Chemtrec’ 1-800-424-9300</td>
</tr>
<tr>
<td>Supplier’s Information</td>
<td>Santec Inc. 1420 East Linden Avenue, Linden NJ 07036</td>
</tr>
</tbody>
</table>

02 Hazards Identification

**GHS Classification:** 1. Eyes - Category 2A

**Signal Word:** Warning

**Hazard Statement:** May cause skin irritation.

**Precautionary Statements:** Wear protective gloves and eye protection. Wash thoroughly after handling.

**Acute Effects**

- **Eyes:** Eye irritant. May cause redness or swelling.
- **Skin:** No known effects.
- **Inhalation:** No known acute effects resulting from inhalation.
- **Ingestion:** May be irritating to the mouth, throat and gastrointestinal system. Symptoms may include nausea, vomiting, diarrhea and cramps.

**Chronic Effects**

- **Carcinogenicity:** No known critical effects or critical hazards.
- **Product /Ingredient Name:** Not available.

03 Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS No.</th>
<th>WT.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>30-40</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>141-43-5</td>
<td>1-5</td>
</tr>
<tr>
<td>Dipropylene Glycol Methyl Ether</td>
<td>34590-94-8</td>
<td>1-5</td>
</tr>
</tbody>
</table>

04 First Aid Measures

**Eye Contact:** Check for and remove any contact lenses. Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention if symptoms persist.

**Skin Contact:** Rinse with water for a few minutes. If symptoms persist seek medical attention.

**Inhalation:** No special measures required. Seek medical attention if symptoms occur.

**Ingestion:** Do not induce vomiting. Drink copious amounts of water. Seek medical attention immediately.

05 Fire Fighting Measures

**Suitable Fire Extinguishing Media:** Use water spray, fog or foam

**Specific Hazards Arising from the Chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous Thermal Decomposition Products:** No Specific Data

**Specific Fire-Fighting Methods:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Specific Protective Equipment for Fire-Fighters:** Fire-Fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

06 Accidental Release Measures

**Spill Clean Up:** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move Containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Handling: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Physical State

- Color: Fluorescent red
- Odor: Pleasant odor
- pH: 11.0 - 11.6
- Flash point: > 180°F
- Explosion limits: Not available
- Flammability (solid, gas): Not available
- Melting point: Not available
- Boiling point: Not available
- Evaporation rate (butyl acetate = 1): Not available
- Vapor pressure: Not available
- Vapor density: Not available
- Relative density: 1.08 (Water = 1)
- Solubility: Easily soluble in the following materials: cold water and hot water
- Partition coefficient n-octano/water: Not available
- Auto-ignition temperature: Not available
- Decomposition temperature: Not available
- Odor threshold: Not available
- Viscosity: Kinematic (room temperature): ≤ 10 cSt (CPS)

Stability: The product is stable.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: No specific data.
Materials to avoid: Oxidizing materials and acids.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition should not be produced.

Ingredient Name | Exposure Limits
--- | ---
Glycerine | OSHA PEL 5 mg/m³
2-Aminoethanol | ACGIH STEL 7.5 mg/m³
Dipropylene Glycol Methyl Ether | OSHA PEL 100 ppm

Personal Protective Equipment (PPE)

- Eyes: Safety glasses.
- Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.
11 Toxicological Information

<table>
<thead>
<tr>
<th>Product /Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerine</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>5400 mg/kg</td>
</tr>
<tr>
<td>2-Aminoethanol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1089 mg/kg</td>
</tr>
<tr>
<td>Dipropylene Glycol Methyl Ether</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2000 mg/kg</td>
</tr>
</tbody>
</table>

PG*: Packing Group

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14 Transport Information

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
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</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>not regulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations
TSCA 8(b) inventory: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

<table>
<thead>
<tr>
<th>SARA 313</th>
<th>Product name</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form R-Reporting requirements</td>
<td>No listed substance</td>
<td></td>
<td></td>
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</table>

*Hazard Determination System (HDS):

<table>
<thead>
<tr>
<th>Health</th>
<th>Reactivity</th>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of Issue: 06/22/2016