Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name: GLASS CLEANER
Product use: Cleaner.
Product code: R047
Date of issue: 10/22/10
Supersedes: 08/05/08

Emergency Phone Numbers
For MSDS Information:
Compliance Services 1-877-793-7776

For Medical Emergency
(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By:
Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency Overview
WARNING
CAUSES EYE IRRITATION.
CONTENTS UNDER PRESSURE.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

**Hazard Determination System (HDS): Health, Flammability, Reactivity**

<table>
<thead>
<tr>
<th>Route of Entry</th>
<th>Acute Effects</th>
<th>Chronic effects</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.</td>
<td>Prolonged or repeated contact may dry skin and cause irritation.</td>
<td>Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, and/or stupor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL; ethyl alcohol; grain alcohol</td>
<td>64-17-5</td>
<td>1 - 10</td>
</tr>
<tr>
<td>HYDROCARBON PROPELLANT; blend of propane &amp; n-butane</td>
<td>74-98-6; 106-97-8</td>
<td>1 - 10</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

**Additional Information:** See Toxicological Information (Section 11)

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Skin Contact: Flush affected skin with plenty of water. Get medical attention if irritation develops.

Inhalation: Move exposed person to fresh air. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Section 5. Fire Fighting Measures

Flammable Limits Not available.

Flammability Non-flammable. (CSMA Method)

Fire hazard CONTENTS UNDER PRESSURE. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up Large spills are unlikely due to packaging.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Observe label precautions. Wash thoroughly after handling.

Storage CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name ETHANOL; ethyl alcohol; grain alcohol

Exposure limits NIOSH REL (United States, 6/2009).
TWA: 1000 ppm 10 hour(s).
TWA: 1900 mg/m³ 10 hour(s).
OSHA PEL (United States, 11/2006).
TWA: 1000 ppm 8 hour(s).
TWA: 1900 mg/m³ 8 hour(s).
ACGIH TLV (United States, 1/2009).
STEL: 1000 ppm 15 minute(s).
TWA: 1000 ppm 8 hour(s).
TWA: 1900 mg/m³ 8 hour(s).

HYDROCARBON PROPELLANT; blend of propane & n-butane ACGIH TLV / OSHA PEL (United States). Notes: Propane
TWA: 1000 ppm 8 hour(s).

Personal Protective Equipment (PPE)

Eyes Safety glasses.

Body For prolonged or repeated handling, use the following type of gloves: Neoprene gloves. Nitrile gloves. Rubber gloves.

Respiratory Use with adequate ventilation.

Section 9. Physical and Chemical Properties

Physical State Liquid. [Aerosol.]

pH 10.0 - 11.0

Boiling Point 96.11°C (205°F)

Specific Gravity 0.95

Solubility Easily soluble in the following materials: cold water and hot water.

Color Clear. Colorless.

Odor Pleasant.

Vapor Pressure Not determined.

Vapor Density Not determined.

Evaporation Rate >1 (Water = 1)

VOC (Consumer) 116.18 (g/l). 0.97 lbs/gal (11.90%)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)
**Section 11. Toxicological Information**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>LC50 Inhalation Vapor Rat</td>
<td>20000 mg/m³</td>
<td>4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LD50 Oral Rat</td>
<td>7 g/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Environmental Effects**

No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

**Section 12. Ecological Information**

**Section 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.

**Waste Stream**

Non-hazardous waste

**Section 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>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated.</td>
<td>Consumer commodity ORM-D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG Class</td>
<td>Not determined.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section 15. Regulatory Information**

**U.S. Federal Regulations**

- **SARA 313 toxic chemical notification and release reporting:**
  - No products were found.
- **Clean Water Act (CWA) 307:** No products were found.
- **Clean Water Act (CWA) 311:** No products were found.
- **Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.
- **All Components of this product are listed or exempt from listing on TSCA Inventory.**

**State Regulations**

- **California Prop 65:** No products were found.

**Section 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 or 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.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs 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.*