SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name: RENOWN HEAVY-DUTY GLASS CLEANER AEROSOL REN05002-AM
Material number: 000000000001027065

Manufacturer or supplier's details

DISTRIBUTOR
Home Depot
701 San Marco Blvd.
Jacksonville, FL 32207
Customer Service: 866-412-6726

24 HR. EMERGENCY TELEPHONE NUMBERS

VERISK 3E: 1-800-451-8346 (USA)
1-760-602-8703 (INTERNATIONAL)

Recommended use of the chemical and restrictions on use

Recommended use: Glass Cleaner

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

| Appearance | Aerosol containing a liquefied gas |
| Colour | white |
| Odour | characteristic |

GHS Classification

Gases under pressure: Liquefied gas

GHS label elements

Hazard pictograms:

Gas cylinder

Signal word: Warning

Hazard statements: H280 Contains gas under pressure; may explode if heated.

Precautionary statements: Prevention:
P251 Pressurized container: Do not pierce or burn, even after use.

Storage:
P410 + P403 Protect from sunlight. Store in a well-ventilated place.
Disposal:
P501 Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>1-propoxypropan-2-ol</td>
<td>1569-01-3</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
</tbody>
</table>

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice: Do not leave the victim unattended.
- Get medical attention if symptoms occur.
- Move out of dangerous area.
- Show this safety data sheet to the doctor in attendance.

If inhaled:
- If unconscious, place in recovery position and seek medical advice.
- If symptoms persist, call a physician.

In case of skin contact:
- If skin irritation persists, call a physician.
  - Wash off immediately with plenty of water for at least 15 minutes.
  - Remove contaminated clothing and shoes.
  - Wash contaminated clothing before re-use.

In case of eye contact:
- Remove contact lenses.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Protect unharmed eye.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.

If swallowed:
- Keep respiratory tract clear.
- DO NOT induce vomiting unless directed to do so by a physician or poison control center.
- If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed:
- Effects may be delayed, symptoms may include minor eye or skin irritation.
- Overexposure may cause mild eye or skin irritation.

Notes to physician: Treat symptomatically. Symptoms may be delayed.

SECTION 5. FIREFIGHTING MEASURES
SAFETY DATA SHEET
RENEW HEAVY-DUTY GLASS CLEANER AEROSOL REN05002-AM

Version 3.1  Revision Date 05/11/2020  Print Date 05/27/2020

Suitable extinguishing media: Dry chemical
Carbon dioxide (CO2)
Foam

Unsuitable extinguishing media: High volume water jet

Hazardous combustion products:
Carbon dioxide (CO2)
Carbon monoxide
Smoke

Specific extinguishing methods:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information:
Standard procedure for chemical fires.

Special protective equipment for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions:
Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up:
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling:
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Do not breathe vapours or spray mist.
Always replace cap after use.

Conditions for safe storage:
BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
Keep in a dry, cool and well-ventilated place.

Materials to avoid:
Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
--- | --- | --- | --- | --- |
butane | 106-97-8 | TWA | 800 ppm, 1,900 mg/m³ | NIOSH REL |
 |  | TWA | 800 ppm, 1,900 mg/m³ | OSHA P0 |
 |  | PEL | 800 ppm, 1,900 mg/m³ | CAL PEL |
 |  | STEL | 1,000 ppm | ACGIH |
ethanol | 64-17-5 | TWA | 1,000 ppm | ACGIH |
 |  | TWA | 1,000 ppm, 1,900 mg/m³ | NIOSH REL |
 |  | TWA | 1,000 ppm, 1,900 mg/m³ | OSHA Z-1 |
 |  | TWA | 1,000 ppm, 1,900 mg/m³ | OSHA P0 |
 |  | STEL | 1,000 ppm | ACGIH |
 |  | PEL | 1,000 ppm, 1,900 mg/m³ | CAL PEL |
propane | 74-98-6 | TWA | 1,000 ppm, 1,800 mg/m³ | NIOSH REL |
 |  | TWA | 1,000 ppm, 1,800 mg/m³ | OSHA Z-1 |
 |  | TWA | 1,000 ppm, 1,800 mg/m³ | OSHA P0 |
 |  | PEL | 1,000 ppm, 1,800 mg/m³ | CAL PEL |

**Engineering measures**: effective ventilation in all processing areas

**Personal protective equipment**

- **Respiratory protection**: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

- **Hand protection**
  - **Material**: Protective gloves
  - **Remarks**: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- **Eye protection**
  - **Remarks**: Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.
  - **Safety glasses**

- **Skin and body protection**
  - **Remarks**: Impervious clothing
  - Choose body protection according to the amount and concentration of the dangerous substance at the work place.

- **Hygiene measures**
  - **Remarks**: Wash hands before breaks and at the end of workday.
### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Aerosol containing a liquefied gas</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>11</td>
</tr>
<tr>
<td>Melting point/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>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Flammability (solid, gas, liquid)</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>0.99 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Heat of combustion</td>
<td>3.63 kJ/g</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Stable</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No decomposition if stored and applied as directed.</td>
</tr>
</tbody>
</table>
Conditions to avoid: Heat, flames and sparks.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Carbon dioxide (CO2)
Carbon monoxide
Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical Condition: None known.
Symptoms of Overexposure: Effects may be delayed, symptoms may include minor eye or skin irritation.
Overexposure may cause mild eye or skin irritation.
Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: Confirmed animal carcinogen with unknown relevance to humans

ethanol: 64-17-5

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Acute toxicity

Components:
ethanol:
Acute oral toxicity: LD50 Oral Rat: 7,060 mg/kg

Acute inhalation toxicity: LC50 Rat: 124.7 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Skin corrosion/irritation

Product: Remarks: May irritate skin.

Serious eye damage/eye irritation

Product:
Remarks: May irritate eyes.

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration toxicity
No data available

Further information

Product:
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential

Product:
Partition coefficient: n-octanol/water
Remarks: No data available

Components:
butane:
Partition coefficient: n-octanol/water
Remarks: No data available
ethanol:
Partition coefficient: n-octanol/water
Pow: 2.89
Remarks: No data available
octanol/water

Mobility in soil
No data available

Other adverse effects
No data available

**Product:**

| Regulation | 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances |
| Remarks | This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). |

Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

| Waste from residues | Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations. |
| Contaminated packaging | Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. |

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**SECTION 14. TRANSPORT INFORMATION**

| Transportation Regulation: 49 CFR (USA): | UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
| Transportation Regulation: IMDG (Vessel): | UN1950, AEROSOLS, 2.2, - Limited quantity |
| Transportation Regulation: IATA (Cargo Air): | UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
| Transportation Regulation: IATA (Passenger Air): | UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
| Transportation Regulation: TDG (Canada): | UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list

- No substances are subject to a Significant New Use Rule.
- No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hydroxide</td>
<td>1310-73-2</td>
<td>1000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

- Gases under pressure

SARA 302

- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

- This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

- DSL: All components of this product are on the Canadian DSL Inventory
- TSCA: On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer’s regulatory group.

Inventory Acronym and Validity Area Legend:
TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>INSTABILITY</th>
<th>SPECIAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>22</td>
<td>00</td>
<td></td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

OSHA GHS Label Information:

Hazard pictograms: Gas cylinder

Signal word: Warning
Hazard statements: Contains gas under pressure; may explode if heated.
Precautionary statements: Prevention: Pressurized container: Do not pierce or burn, even after use.
Storage: Protect from sunlight. Store in a well-ventilated place.
Disposal: Dispose of contents/container in accordance with local regulation.

<table>
<thead>
<tr>
<th>Version:</th>
<th>3.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date:</td>
<td>05/11/2020</td>
</tr>
<tr>
<td>Print Date:</td>
<td>05/27/2020</td>
</tr>
</tbody>
</table>

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