SAFETY DATA SHEET
RENOWN OIL BASED STAINLESS STEEL CLEANER REN05005-AM

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name: RENOWN OIL BASED STAINLESS STEEL CLEANER
REN05005-AM

Material number: 00000000001027068

Manufacturer or supplier's details
DISTRIBUTOR
Home Depot
701 San Marco Blvd.
Jacksonville, FL 32207
Customer Service: 866-412-6726

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance: Aerosol containing a liquefied gas
Colour: clear
Odour: characteristic

GHS Classification
Flammable aerosols: Category 1
Gases under pressure: Liquefied gas
Skin sensitisation: Category 1

GHS label elements
Hazard pictograms:
- Flame
- Gas cylinder
- Exclamation mark

Signal word: Danger
Hazard statements: H222 Extremely flammable aerosol. H280 Contains gas under pressure; may explode if heated. H317 May cause an allergic skin reaction.

Precautionary statements: Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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Version 1.3  Revision Date 05/11/2020  Print Date 05/27/2020

P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
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>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>&gt;= 50 - &lt; 70</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>&gt;= 20 - &lt; 30</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>Oils, sweet orange (terpenes and terpenoids)</td>
<td>68647-72-3</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>citral</td>
<td>5392-40-5</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
</tbody>
</table>

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

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

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.
If on clothes, remove clothes.

In case of eye contact : Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
If swallowed:
If in eyes, rinse with water for 15 minutes.
Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

Most important symptoms and effects, both acute and delayed:
Effects are immediate and delayed.
Symptoms may include irritation, redness, pain, and rash.
Effects are dependent on exposure (dose, concentration, contact time).
Causes skin irritation.
May cause an allergic skin reaction.
Review section 2 of SDS to see all potential hazards.

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

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
Water spray jet

Unsuitable extinguishing media:
High volume water jet

Specific hazards during firefighting:
Do not allow run-off from fire fighting to enter drains or water courses.

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:
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

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 product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains, inform respective authorities.

Methods and materials for containment and cleaning up:
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.
SECTION 7. HANDLING AND STORAGE

Advice on safe handling:
- Avoid exposure - obtain special instructions before use.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Take precautionary measures against static discharges.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Open drum carefully as content may be under pressure.
- Dispose of rinse water in accordance with local and national regulations.
- Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Always replace cap after use.
- Do not breathe vapours or spray mist.

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.
- No smoking.
- Keep in a dry, cool and well-ventilated place.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid:
- Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>TWA</td>
<td>500 ppm, 2,000 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>400 ppm, 1,600 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (Mist)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (particulate)</td>
<td>5 mg/m³</td>
<td>CAL PEL</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>TWA</td>
<td>1,000 ppm, 1,800 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td>Substance</td>
<td>TWA</td>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>OSHA P0</td>
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<tr>
<td>---------------</td>
<td>-------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>butane</td>
<td>1,000 ppm</td>
<td>1,800 mg/m3</td>
<td>1,000 ppm</td>
<td>1,800 mg/m3</td>
</tr>
<tr>
<td>citral</td>
<td>106-97-8</td>
<td></td>
<td>800 ppm</td>
<td>1,900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>800 ppm</td>
<td>1,900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>800 ppm</td>
<td>1,900 mg/m3</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1,000 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**: Safety glasses
  - Ensure that eyewash stations and safety showers are close to the workstation location.

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

- **Hygiene measures**: When using do not eat or drink.
  - When using do not smoke.
  - Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance**: Aerosol containing a liquefied gas
- **Colour**: clear
- **Odour**: characteristic
- **Odour Threshold**: No data available
- **pH**: Not applicable
- **Melting point/freezing point**: Not applicable
- **Boiling point**: Not applicable
- **Flash point**: 

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**TWA**: Time Weighted Average
**OSHA Z-1**: Occupational Safety and Health Administration Z-1
**OSHA P0**: Occupational Safety and Health Administration P0
**CAL PEL**: California Proposition 65 PEL
**STEL**: Short-Term Exposure Limit
**ACGIH**: American Conference of Governmental Industrial Hygienists
Evaporation rate: Not applicable
Flammability (solid, gas, liquid): Extremely flammable aerosol.
Upper explosion limit: No data available
Lower explosion limit: No data available
Vapour pressure: 4,136 hPa (21 °C)
Relative vapour density: No data available
Density: 0.856 g/cm³
Solubility(ies):
Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: not determined
Thermal decomposition: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Stable
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions:
Vapours may form explosive mixture with air.
No decomposition if stored and applied as directed.
Conditions to avoid:
Heat, flames and sparks.
Extremes of temperature and direct sunlight.
Incompatible materials:
Strong oxidizing agents
Hazardous decomposition products:
Carbon oxides
Smoke

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical: None known.
Condition
Symptoms of Overexposure: Effects are immediate and delayed. Symptoms may include irritation, redness, pain, and rash. Effects are dependent on exposure (dose, concentration, contact time). Causes skin irritation. May cause an allergic skin reaction. Review section 2 of SDS to see all potential hazards. 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 No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
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
Product:
Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Components:
Distillates (petroleum), hydrotreated heavy naphthenic:
Acute oral toxicity: LD50 Rat: > 5,000 mg/kg
Acute inhalation toxicity: LC50 Rat: > 5 mg/l Exposure time: 4 h
Acute dermal toxicity: LD50 Rabbit: > 5,000 mg/kg

Distillates (petroleum), hydrotreated light:
Acute oral toxicity: LD50 Rat: > 5,000 mg/kg
Acute inhalation toxicity: LC50 Rat: > 4.6 mg/l Exposure time: 6 h
Acute dermal toxicity: LD50 Rat: > 2,000 mg/kg

Skin corrosion/irritation
Product:
Remarks: Irritating to skin.

Serious eye damage/eye irritation

Product:
Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitisation

Product:
Remarks: Causes sensitisation.

Components:

Oils, sweet orange (terpenes and terpenoids):
Classification: May cause sensitisation by skin contact.

citral:
Classification: May cause sensitisation by skin contact.

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:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Partition coefficient: n-octanol/water</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Components:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Partition coefficient: n-octanol/water</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>citral</td>
<td></td>
<td>log Pow: 2.9 (25 °C) Method: OECD Test Guideline 117</td>
</tr>
</tbody>
</table>

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 CFR Protection of Environment: Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances</td>
<td>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).</td>
</tr>
</tbody>
</table>

**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**
SAFETY DATA SHEET
RENOWN OIL BASED STAINLESS STEEL CLEANER REN05005-AM

Transportation Regulation: 49 CFR (USA):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IMDG (Vessel):
UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, FLAMMABLE, 2.1, - 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
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Flammable (gases, aerosols, liquids, or solids)
Gases under pressure
Respiratory or skin sensitisation

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:

<table>
<thead>
<tr>
<th>Inventory Acronym</th>
<th>Validity Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>All components of this product are on the Canadian DSL</td>
</tr>
<tr>
<td>TSCA</td>
<td>On TSCA Inventory</td>
</tr>
</tbody>
</table>

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)

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**SECTION 16. OTHER INFORMATION**

Further information

**NFPA:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>3</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>4</td>
</tr>
<tr>
<td>INSTABILITY</td>
<td>0</td>
</tr>
<tr>
<td>SPECIAL HAZARD.</td>
<td></td>
</tr>
</tbody>
</table>

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

**HMIS III:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>3</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>4</td>
</tr>
<tr>
<td>PHYSICAL HAZARD.</td>
<td>2</td>
</tr>
</tbody>
</table>

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

- Flame
- Gas cylinder
- Exclamation mark

Signal word: Danger
Hazard statements:
Extremely flammable aerosol. Contains gas under pressure; may explode if heated.
May cause an allergic skin reaction.

Precautionary statements:
Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.
Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
Storage: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal: Dispose of contents/container in accordance with local regulation.

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