1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product name: PROSALL CITRA CLEAN ALL-SURFACE CLEANER, DUSTER & POLISH
Chemical name: 7-8190-1

Other means of identification
Product code: FG 433-1127-2
Synonyms: General purpose cleaner

Recommended use of the chemical and restrictions on use
Recommended Use: Various types of surfaces.
Uses advised against: DO NOT USE ON FLOORS

Details of the supplier of the safety data sheet
Supplier Address: ProsALL Products a Division of Chase Products Co.
P.O. Box 7502
Westchester, IL 60154

Manufacturer Address: Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Emergency Telephone Number
Company Phone Number: 708-865-1000
24 Hour Emergency Phone Number: 1-800-255-3924
Emergency telephone: ChemTel 1-800-255-3924

2. Hazards Identification

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>FLAMMABLE AEROSOLS</td>
<td>Category 2</td>
</tr>
<tr>
<td>Gases Under Pressure</td>
<td>liquefied gas</td>
</tr>
</tbody>
</table>

Label Elements

EMERGENCY OVERVIEW

Warning

hazard statements
May cause an allergic skin reaction
Flammable Aerosol
Contains gas under pressure; may explode if heated

Appearance: White, creamy emulsion.
Physical State: Aerosol
Odor: Citrus odor

Precautionary Statements - Prevention
Avoid breathing fumes, mist, vapors or spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Keep away from heat, sparks, open flames and hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Precautionary Statements - Response
Specific treatment: See additional cautionary statements on this label. 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.

Precautionary Statements - Storage
Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122 °F (50 °C).

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)
Other Information
- Toxic to aquatic life with long lasting effects
- 1.202% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>weight-%</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>70-75</td>
<td>*</td>
</tr>
<tr>
<td>White Mineral Oil USP</td>
<td>8042-47-5</td>
<td>15-20</td>
<td></td>
</tr>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

Chemical Additions
Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogens are listed when present at 0.1% or greater.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation
If overcome by vapor, move person to fresh air. Restore respiration if necessary. Get medical attention if injury develops.

Ingestion
Ingestion from an aerosol product is unlikely to occur.
Most important symptoms and effects, both acute and delayed

**Symptoms**

Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation. Chronic: D-limonene may cause allergic skin reactions.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**

None needed.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media**

Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

**Hazardous combustion products**

Thermal decomposition may release carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact**

Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge**

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Use with adequate general or local exhaust ventilation.

**For emergency responders**

Remove all sources of ignition.

**Environmental precautions**

See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment**

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up**

Clean contaminated surface thoroughly.

## 7. Handling and Storage

**Precautions for safe handling**

**Advice on safe handling**

Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Store in a cool, dry place away from heat and open flame. Keep out of reach of children. AEROSOL STORAGE LEVEL I (NFPA-30B) .
Incompatible Materials

Avoid heat, open flame and contact with strong oxidizers.

---

### 8. Exposure Controls/Personal Protection

#### Control parameters

#### Exposure guidelines

See occupational exposure limits listed below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>See Appendix F: Minimal Oxygen Content</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³ (vacated)</td>
<td>IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>N-Butane</td>
<td>STEL: 1000 ppm (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³</td>
<td>TWA: 800 ppm TWA: 1900 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

#### Appropriate engineering controls

**Engineering controls**
Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

- **Eye/face Protection**
  Conventional eyeglasses to guard against splashing.

- **Skin and Body Protection**
  Household type gloves, recommended.

- **Respiratory protection**
  None required if used in a well-ventilated area.

- **General hygiene considerations**
  Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

---

### 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>White, creamy emulsion.</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>White</td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Citrus odor</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>8.20</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>Not applicable</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Boiling point/boiling range</strong></td>
<td>Water 212 °F/100 °C</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>This product is very similar in composition to another product which was tested for Enclosed Space Ignition Test. Since that product is a Category 2 flammable aerosol, this product is also considered Category 2 flammable aerosol.</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Faster than butyl acetate</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability Limits in Air</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Upper Flammability limits</strong></td>
<td>Not available</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Lower Flammability Limit</strong></td>
<td>Not available</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Relative Density</strong></td>
<td>0.955 concentrate</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
<td></td>
<td>insoluble</td>
</tr>
<tr>
<td><strong>Solubility in other solvents</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
FG 433-1127-2 PROSALL CITRA CLEAN ALL-SURFACE CLEANER, DUSTER & POLISH

1. Kinematic viscosity
2. Dynamic viscosity
3. Explosive properties
4. Oxidizing properties

Other Information

1. Softening point
2. Molecular weight
3. VOC content (%)
4. Density
5. Bulk Density

10. Stability and Reactivity

Reactivity

 Chemical stability

 Possibility of hazardous reactions

 Conditions to Avoid

 Incompatible Materials

 Hazardous decomposition products

11. Toxicological Information

Information on likely routes of exposure

Product Information

 Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50
---|---|---|---
Water 7732-18-5 | > 90 mL/kg (Rat) | - | -
White Mineral Oil USP 8042-47-5 | > 5000 mg/kg (Rat) | - | -
D-Limonene 5989-27-5 | = 4400 mg/kg (Rat) | > 5 g/kg (Rabbit) | -
Propane 74-99-6 | - | - | = 658 mg/L (Rat) 4 h
N-Butane 106-97-8 | - | - | = 658 g/m³ (Rat) 4 h

Information on toxicological effects
Symptoms

Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
May cause skin irritation and reddening after prolonged or repeated contact with skin. D-limonene may cause allergic skin reactions. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts.

Serious eye damage/eye irritation
Can cause irritation after contact with the eyes.

Corrosivity
Not applicable.

Sensitization
May cause sensitization of susceptible persons.

Germ cell mutagenicity
No information available.

Carcinogenicity
The table below indicates whether each agency has listed any ingredient as a carcinogen. Exposure to d-limonene has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene 5989-27-5</td>
<td></td>
<td>Group 2A</td>
<td>Group 5</td>
<td>X</td>
</tr>
</tbody>
</table>

Reproductive toxicity
D-limonene has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration Hazard
Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Numerical measures of toxicity - Product Information

Unknown acute toxicity
1.202% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

- ATEmix (oral) 22933 mg/kg
- ATEmix (inhalation-gas) 8138226 mg/l
- ATEmix (inhalation-vapor) 16450 mg/l

12. Ecological Information

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity
5.202% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mineral Oil USP 8042-47-5</td>
<td></td>
<td>10000: 96 h Lepomis macrochirus mg/L LC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-Limonene 5989-27-5</td>
<td></td>
<td>35: 96 h Oncorhynchus mykiss mg/L LC50 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
No information available.

Bioaccumulation
No information available.
FG 433-1127-2 PROSALL CITRA CLEAN ALL-SURFACE CLEANER, DUSTER & POLISH

1. Chemical Name

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>Toxic</td>
</tr>
<tr>
<td>5989-27-5</td>
<td></td>
</tr>
</tbody>
</table>

2. Use

3. Hazardous Properties

4. Incompatibilities

5. Stability

6. Acute Health Hazard

7. Chronic Health Hazard

8. Fire Hazard

9. Reactivity Hazard

10. Other adverse effects

No information available

11. Spill/leak proceeded

12. Personal protective equipment

13. Disposal Considerations

Waste treatment methods

Disposal of wastes
Dispose of in accordance with federal, state and local regulations.

Contaminated packaging
Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

14. Transport Information

DOT

<table>
<thead>
<tr>
<th>UN/ID no</th>
<th>Limited Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Consumer Commodity</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>ORM-D</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>This product contains a chemical which is listed as a marine pollutant according to DOT.</td>
</tr>
</tbody>
</table>

15. Regulatory information

International Inventories

TSCA
All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL
All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>
CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water 7732-18-5</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>N-Butane 106-97-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label information
EPA Pesticide registration number Not applicable

16. Other information

NFPA
Health Hazards 1
Flammability 1
Instability 1
Physical and chemical properties Not applicable

HMIS
Health Hazards 1
Flammability 2
Physical hazards 1
Personal Protection B - Eyes and hands protection

Prepared by Regulatory Department
Issue date 28-Nov-2016
Revision note This SDS supersedes a previous MSDS dated September 12, 2013.
Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet