1. IDENTIFICATION

Product Identifier
Product Name
United 183 TPS TOTAL PRESSURE SPRAY

Other means of identification
SDS #
UNITED-183

Recommended use of the chemical and restrictions on use
Recommended Use
Foaming Long Distance High Pressure Spray with Citrus.
Uses Advised Against
For industrial and institutional use only.

Details of the supplier of the safety data sheet
Supplier Address
United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency Telephone Number
Company Phone Number
800-323-2594 (to reorder)
Emergency Telephone (24 hr)
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance
Milky white foam
Physical State
Liquid
Odor
Citrus scent

Classification
- Flammable Aerosol
  Category 1
- Liquefied Gas
- Eye Irritant
  Category 2A

Hazard Statement
DANGER
Extremely flammable aerosol contains gas under pressure.
May explode if heated.
Causes eye irritation.
Precautionary Statements – Prevention
Keep away from heat, sparks, open flames, and 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.
Protect from sunlight.
Do not expose to temperatures exceeding 50°C/122°F.
Wash hands thoroughly after handling.
Wear eye protection.

Precautionary Statements – Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Precautionary Statements – Storage
Store in a well-ventilated place.

Hazards Not Otherwise Classified (HNOC)
Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 8-p-Menthadiene</td>
<td>5989-27-5</td>
<td>1-5%</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>68476-86-8</td>
<td>3-7%</td>
</tr>
<tr>
<td>Diethylene Glycol n-Butyl Ether</td>
<td>112-34-5</td>
<td>7-13%</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>64742-47-8</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Skin Contact  
Wash thoroughly with soap and water.

Inhalation  
Move to fresh air.

Ingestion  
Rinse mouth. Do not induce vomiting. Get medical advice or attention.

Indication of any immediate medical attention and special treatment needed

Acute Health Hazards  
Eyes: redness, tearing, blurred vision.

Chronic Health Hazards  
May be toxic to kidneys and liver.

Notes to Physician  
There is no specific treatment regimen. Treatment of overexposure should be direction at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media  
Dry chemical, foam, or Carbon Dioxide (CO2).

Unsuitable Extinguishing Media  
Not available.
Unusual Fire and Explosion Hazards
Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Hazardous Combustion Products Oxides of carbon.

Special Firefighting Procedures
Wear SCBA in fire situations with full body protective clothing when fighting fires. Use water spray to cool containers exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up

<table>
<thead>
<tr>
<th>Spill</th>
<th>Absorb spill with non-combustible material such as vermiculite, sand or earth.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Disposal</td>
<td>Dispose of in accordance with local, state and federal regulations. Do not puncture container, wrap container and place in trash collection.</td>
</tr>
<tr>
<td>RCRA Status</td>
<td>Waste likely considered Non-hazardous under RSRA, however product should be fully characterized prior to disposal (40 CFR 261).</td>
</tr>
</tbody>
</table>

7. HANDLING AND STORAGE

Precautions for safe handling

<table>
<thead>
<tr>
<th>Handling and Storage</th>
<th>Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Precautions</td>
<td>Keep out of reach of children. Follow label instructions exactly.</td>
</tr>
<tr>
<td>Incompatibility</td>
<td>Strong oxidizing agents, strong reducing agents, acids.</td>
</tr>
</tbody>
</table>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,8-p-Menthadiene</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Diethylene Glycol n-Butyl Ether</td>
<td>Not Established</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

| Engineering Controls | Use only in well ventilated areas. Local ventilation/exhaust preferred. |

Individual protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Respiratory Protection</th>
<th>Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective Clothing</td>
<td>Safety glasses and chemical resistant gloves.</td>
</tr>
<tr>
<td>Additional Measures</td>
<td>Wash hands thoroughly after handling.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
### Physical State
- **Liquid**

### Appearance
- **Milky white foam**

### Color
- **Milky white**

### Odor
- **Citrus scent**

### Odor Threshold
- **1 ppm**

### Property
<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>11.5</td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;212°F (100°C)</td>
<td></td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>Extremely Flammable Aerosol</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>77°F (25°C)</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.950</td>
<td></td>
</tr>
<tr>
<td>Solids (%)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>92%</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Volatility Including Water</td>
<td>96%</td>
<td></td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>9.9%</td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

#### Reactivity
None known.

#### Chemical Stability
Stable.

#### Conditions to Avoid
Excessive heat.

#### Incompatibility
Strong oxidizing agents, strong reducing agents, acids.

#### Hazardous Decomposition Products
Oxides of carbon.

#### Possible Hazardous Reactions
None known.

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure
- **Routes of Entry**
  - Eyes, Ingestion, Inhalation, Skin
- **Eye Contact**
  - May cause irritation, redness.
- **Skin Contact**
  - May cause irritation, localized defatting.
- **Inhalation**
  - Causes mild irritation to the respiratory tract.
- **Ingestion**
  - May cause gastrointestinal irritation, nausea, diarrhea, vomiting.
Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Acute Health Hazards**
Eyes: redness, tearing, blurred vision.

**Chronic Health Hazards**
May be toxic to kidneys and liver.

**Carcinogenicity**
Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, ACGIH, NTP or IARC.

### Toxicological Information

**Diethylene Glycol n-Butyl Ether**
CAS No: 112-34-5

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 (Oral)</td>
<td>3950-9740 mg/kg (Rat)</td>
<td>12400 mg/kg (Mouse)</td>
</tr>
<tr>
<td></td>
<td>3000-4970 mg/kg (Guinea Pig)</td>
<td>4450 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>LD50 (Skin)</td>
<td>10300 mg/kg (Rabbit)</td>
<td>31700 mg/kg (Guinea Pig)</td>
</tr>
<tr>
<td></td>
<td>5940 mg/kg (Mouse and Rat)</td>
<td></td>
</tr>
<tr>
<td>LC50 (Inhalation)</td>
<td>960 ppm</td>
<td></td>
</tr>
</tbody>
</table>

**1,8-p-Menthadiene**
CAS No: 5989-27-5

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 (Oral)</td>
<td>4400 mg/kg (Rat)</td>
<td>5600 mg/kg (Mouse)</td>
</tr>
<tr>
<td>LD50 (Dermal)</td>
<td>5000 mg/kg (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

**Isoparaffinic Hydrocarbon**
CAS No: 64742-47-8

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 (Oral)</td>
<td>5 g/kg (Rat)</td>
<td></td>
</tr>
<tr>
<td>LD50 (Dermal)</td>
<td>2 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>5 mg/L (Rat)</td>
<td></td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

#### Ecological Information

**Diethylene Glycol n-Butyl Ether**
CAS No: 112-34-5

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>Lepomis macrochirus, 96 hr</td>
<td>1300 mg/L</td>
</tr>
<tr>
<td>LC50</td>
<td>Leuciscus idus, 48 hr</td>
<td>&gt;1000 mg/L</td>
</tr>
<tr>
<td>EC50</td>
<td>Daphnia magna, 48 hr</td>
<td>&gt;100 mg/L</td>
</tr>
<tr>
<td>LC50</td>
<td>Pseudomonas Putida, 16 r</td>
<td>1170 mg/L</td>
</tr>
</tbody>
</table>

**Isoparaffinic Hydrocarbon**
CAS No: 64742-47-8

Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment washers.

**Biodegradability**
This product is biodegradable.

**Bioaccumulation**
This product is not expected to bio-accumulate.

**Mobility**
This product is mobile in soil.
13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes  Dispose of in accordance with federal, state, and local regulations. Do not puncture container, wrap container and place in trash collection.

RCRA Status  Waste likely considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

Note:  This product meets the exception requirements of Section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the “Consumer Commodity-ORM-D” marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the “Consumer Commodity ORM-D” marking and both may be displayed concurrently.

DOT
Proper Shipping Name  Aerosols, Ltd. Qty.
Hazard Class/Division  2.1
UN/NA Number  UN 1950

IATA
Proper Shipping Name  Aerosols, Ltd. Qty.
Hazard Class/Division  2.1
UN/NA Number  UN 1950

IMDG
Proper Shipping Name  Aerosols, Ltd. Qty.
Hazard Class/Division  2.1
UN/NA Number  UN 1950
Environmental Hazards Water  Not available

15. REGULATORY INFORMATION

TSCA Status  All chemicals are listed or exempt.

CERCLA  None

SARA 311/312 Hazard Categories  None

SARA 313 Reportable Ingredients  Diethylene Glycol n-Butyl Ether (112-34-5)

State Regulations
California Proposition 65  None

International Regulations  Diethylene Glycol n-Butyl Ether (112-34-5)
European Union – EINECS
Australia – AICS
Japan – ENCS
Korean – ECL
Canada - WHMIS
# 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

**Issue Date:** 09-Aug-2013  
**Revision Date:** 23-Jul-2015  
**Revision Note:** New format

**Disclaimer**  
The information provided in this 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 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