

Issue Date: 09-Aug-2013

Revision Date: 23-Jul-2015

Version 2

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

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

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

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

7. HANDLING AND STORAGE

Precautions for safe handling

Handling and Storage	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.
Other Precautions	Keep out of reach of children. Follow label instructions exactly.
Incompatibility	Strong oxidizing agents, strong reducing agents, acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Hazardous Ingredient	OSHA PEL	ACGIH TLV
1,8-p-Menthadiene	Not established	Not established
Propane/n-Butane	1000 ppm	1000 ppm
Diethylene Glycol n-Butyl Ether	Not Established	25 ppm
Isoparaffinic Hydrocarbon	5 mg/m ³	5 mg/m ³

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Citrus scent
Appearance	Milky white foam	Odor Threshold	1 ppm
Color	Milky white		

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

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	
LD50 (Oral)	3950-9740 mg/kg (Rat) 12400 mg/kg (Mouse) 3000-4970 mg/kg (Guinea Pig) 4450 mg/kg (Rabbit)
LD50 (Skin)	10300 mg/kg (Rabbit) 31700 mg/kg (Guinea Pig) 5940 mg/kg (Mouse and Rat)
LC50 (Inhalation)	960 ppm

1,8-p-Menthadiene CAS No: 5989-27-5	
LD50 (Oral)	4400 mg/kg (Rat) 5600 mg/kg (Mouse)
LD50 (Dermal)	5000 mg/kg (Rabbit)

Isoparaffinic Hydrocarbon CAS No: 64742-47-8	
LD50 (Oral)	5 g/kg (Rat)
LD50 (Dermal)	2 g/kg (Rabbit)
LC50	5 mg/L (Rat)

12. ECOLOGICAL INFORMATION**Ecological Information**

Diethylene Glycol n-Butyl Ether CAS No: 112-34-5		
LC50	Lepomis macrochirus, 96 hr	1300 mg/L
LC50	Leuciscus idus, 48 hr	>1000 mg/L
EC50	Daphnia magna, 48 hr	>100 mg/L
LC50	Pseudomonas Putida, 16 r	1170 mg/L

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

<u>NFPA</u>	Health Hazards	Flammability	Reactivity	Special Hazards
	1	1	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	0	B

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