



Safety Data Sheet

Issue Date: 23-Jul-2015

Revision Date: 01-Dec-2023

Version 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 181 SMART SOLVE® Universal Degreaser

Other means of identification

SDS # UNITED-181

Recommended use of the chemical and restrictions on use

Recommended Use Universal Degreaser Aerosol.

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 Clear liquid spray

Physical State Liquid

Odor Light woody pine scent

Classification

Flammable Aerosol	Category 1
-------------------	------------

Hazard Statement

DANGER

Extremely Flammable Aerosol Pressurized Container: May burst if heated.

This product contains the following percentage of chemicals of unknown toxicity: 90%.

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.

Hazards Not Otherwise Classified (HNOC)

May cause mild eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	CAS Number	Percent
1,8-p-Menthadiene	94266-47-4	10-50%
Carbon dioxide	124-38-9	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	Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.
Skin Contact	Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
Inhalation	Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

Indication of any immediate medical attention and special treatment needed

Notes to Physician	None.
---------------------------	-------

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.

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 Not available.

Special Firefighting Procedures

Wear full protective clothing and NIOSH approved SCBA with full face-piece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

6. ACCIDENTAL RELEASE MEASURES**Methods and material for containment and cleaning up**

Spill	Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Dispose in accordance with local, state and federal laws.
Waste Disposal	Dispose of in accordance with federal, state and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous!
RCRA Status	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. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Hazardous Ingredient	OSHA PEL	ACGIH TLV
1,8-p-Menthadiene	Not established	Not established
Carbon Dioxide	5000 ppm	5000 ppm

Appropriate engineering controls

Engineering Controls	General ventilation adequate. Globes should be worn during use.
-----------------------------	---

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 should be worn during use. Gloves should be worn.
Additional Measures	Wash hands and clothing in contact with product after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Light woodsy pine scent
Appearance	Clear liquid spray	Odor Threshold	Not determined
Color	Clear		
Property	Values	Remarks • Method	
pH	Not available		
Boiling Point	Not available		
Flash Point	Not available		
Flammability Low	Not available		
Flammability High	Not available		
Vapor Pressure	2 mmHg @ 20°C		
Vapor Density	4.7		
Specific Gravity	0.875		
Solids	Not available		
Solubility in Water	100%		
Volatility Including Water	100%		
Decomposition Temperature	Not available		
Viscosity	Not available		
VOC Content	None		

10. STABILITY AND REACTIVITY

Reactivity

Not available.

Chemical Stability

Stable.

Conditions to Avoid

Temperatures greater than 120°F and sources of ignition.

Incompatibility

Strong acids, strong alkalis, strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Eye Contact	Causes irritation.
Skin Contact	Causes irritation.
Inhalation	No hazards under normal use. May cause irritation of the respiratory tract.
Ingestion	Cause gastrointestinal irritation.

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

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

Not available.

12. ECOLOGICAL INFORMATION**Ecological Information**

Prevent run-off to sewers, streams or other bodies of water. If released material is not expected to bio-concentrate in organisms or persist in the environment. May decrease pH of waterways and adversely affect aquatic life.

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 flame cut, braze or weld. Empty container very hazardous!
RCRA Status	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 limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity of 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 Limited Quantity

IATA
Proper Shipping Name Aerosols, Ltd. Qty. Class 2
Hazard Class/Division 2.2
UN/NA Number UN 1950

IMDG
Proper Shipping Name Aerosols, Ltd. Qty. Class 2
Hazard Class/Division 2.2
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
Fire Hazard

SARA 313 Reportable Ingredients
None

State Regulations
California Proposition 65: None

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Reactivity	Special Hazards
	1	2	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	2	0	B

Issue Date: 23-Jul-2015
Revision Date: 01-Dec-2023
Revision Note: Date change/updated 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