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Version 2

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

Hazard Statement

Danger



Classification

Flammable Aerosol	Category 1
Compressed Gas	
Skin Irritant	Category 2
Eye Irritant	Category 2A
Acute Toxicity Oral	Category 4

Extremely Flammable Aerosol. Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation. Harmful if swallowed.

This product contains the following percentage of chemicals of unknown toxicity: 0%.

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. Store in a well-ventilated place. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. 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. If swallowed: Immediately call a poison center or doctor if you feel unwell. Rinse mouth. Dispose of contents and container in accordance with local, state, and national regulations.

Hazards Not Otherwise Classified (HNOC)

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	CAS Number	Percent
Alcohol, C9-11, Ethoxylate	68439-46-3	1-5 %
Alcohol, C10-16, Ethoxylate	68002-97-1	1-5%
Carbon Dioxide	124-38-9	1-5 %
Dipropylene Glycol	25265-71-8	0.1-1 %

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.
Acute	Eyes: Redness, tearing blurred vision. Skin: defatting and dermatitis. Oral: abdominal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

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

Special Firefighting Procedures

Wear full protective clothing and NIOSH approved SCBA with full face-piece operated in positive pressure or pressure demand mode with full body protective clothing when fighting fire.

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.
RCRA Status	Not listed as hazardous waste under RCRA, 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.
Incompatibility	Strong acids and strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Hazardous Ingredient	OSHA PEL	ACGIH TLV
Alcohol, C9-11, Ethoxylate	Not established	Not established
Alcohol, C10-16, Ethoxylate	Not established	Not established
Carbon Dioxide	5000 ppm	5000 ppm
Dipropylene Glycol	Not established	Not established

Appropriate engineering controls

Engineering Controls	Use only outdoors or in a well-ventilated area.
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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	Clear liquid spray		
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not available	
Boiling Point	>500 °F (260°C)	
Flash Point	240°F (115°C)	
Flammability Low/High	Not available	
Flammability	Extremely Flammable Aerosol	
Vapor Pressure	85 PSI	
Vapor Density	>1	
Specific Gravity	Not available	
Solids	Not available	
Solubility in Water	Not available	
Volatility Including Water	Not available	
Decomposition Temperature	Not available	
Viscosity	Not available	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity

If exposed to strong oxidizers, presents explosion hazard.

Chemical Stability

Stable.

Conditions to Avoid

Extremes of hot and cold.

Incompatibility

Strong acids and strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

Possible Hazardous Reactions

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause irritation, redness.
Skin Contact	May cause irritation with prolonged or repeated exposure.
Inhalation	May cause dizziness, coughing, shortness of breath, intoxication with excessive or prolonged exposure.
Ingestion	Swallowing small amounts of material is not likely to cause harmful effects. Swallowing large amounts may cause material to enter lungs during swallowing or vomiting. This will result in lung inflammation with excessive or prolonged exposure.
Acute	Eyes: Redness, tearing, blurred vision. Skin: defatting and dermatitis. Oral: abdominal irritation, nausea, vomiting, and diarrhea. Chronic: None known.
Medical condition aggravated	May aggravate pre-existing medical conditions.

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.
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Toxicological Information

Not available.

12. ECOLOGICAL INFORMATION**Ecological Information**

Not available.

Biodegradability

Component or components of this product are not 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.

RCRA Status

Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

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

Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class/Division	2.2
Un/NA Number	UN 1950
Packaging Group	No information available

IATA

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

IMDG

Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class/Division	2.2
UN/NA Number	UN 1950
Environmental Hazards Water	No

15. REGULATORY INFORMATION

International Regulations

All components are listed.

TSCA Status

All chemicals are listed or exempt.

CERCLA

None known.

SARA 311/312 Hazard Categories

None known.

SARA 313 Reportable Ingredients

None known.

State Regulations

California Proposition 65: None.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 1	Flammability 3	Reactivity 0	Special Hazards None
<u>HMIS</u>	Health Hazards 1	Flammability 3	Physical Hazards 1	Personal Protection B

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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