1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 139 DRY SPRAY LUBRICANT

Other means of identification
SDS# UNITED 139

Recommended use of the chemical
And restrictions on use
Recommended use Dry Spray Lubricant and Release Agent.
Uses Advised Against For industrial and institutional use only.

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

Emergency telephone number
Emergency Telephone 800-323-2594 (to reorder)
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Aerosol</td>
<td>Category 1</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Category 2A</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Gas under pressure</td>
<td>Liquified gas</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin and eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

This product contains percentage of chemicals of unknown toxicity: Not applicable.
Appearance  White Liquid

Physical state  Aerosol
Odor  Solvent

Prevention
 Keep away from heat/sparks/open flames/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. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not breathe in fumes, vapors, and spray. Wear eye/face protection and protective gloves.

Response
 If inhaled: Remove individual to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing. Call poison center or physician if you feel unwell. If eye irritation persists: Get medical advice/attention. Do not breathe in fumes, vapors, and spray. Wear eye/face protection and protective gloves. If swallowed: Immediately call poison center or physician. Do not induce vomiting.

Storage
 Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed. Store in a well-ventilated place.

Disposal
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
 Not classified.

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>Heptane</td>
<td>142-82-5</td>
<td>30-40</td>
<td>*</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>15-25</td>
<td>*</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>15-25</td>
<td>*</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>15-25</td>
<td>*</td>
</tr>
<tr>
<td>Naphtha (petroleum), light alkylate</td>
<td>64741-66-8</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

First aid measures

Skin Contact
 If on skin: Wash with plenty of water. If skin irritation occurs; get medical attention.

Eye contact
 If in eyes: Rinse cautiously with water several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Inhalation
If inhaled: Remove individual to fresh air and keep comfortable for breathing. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Call poison control or physician if irritation persists.

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

Most important symptoms and effects, both acute and delayed
Eyes: Tearing, redness and blurred vision. Skin: Defatting and dermatitis. Inhalation: Anesthetic, irritation, Central Nervous System depression. Oral: Abdominal irritation, nausea, vomiting, diarrhea, aspiration risk. Repeated or prolonged exposure may be toxic to kidneys, liver, skin central nervous system (CNS).

Notes to Physician
If ingested, material may be aspirated into the lungs and may cause chemical pneumonitis. Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Foam. Carbon Dioxide and Dry Chemical.

Unsuitable extinguishing media  Water spray/stream.

Specific hazards arising from the chemical
Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. May develop a flammable atmosphere in confined areas.

Protective equipment and special firefighting procedures
Firefighters must wear an approved NIOSH self-contained breathing apparatus with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers. Shut off all sources of ignition.

Hazardous Combustion Products
Oxides of carbon, low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Personal precautions  Keep unnecessary personnel away. Refer to Section 8 for proper Personal Protective Equipment.

Methods and material for containment and cleaning up
Methods for containment  Clean up with non-combustible material like vermiculite, sand or earth. If many cans are opened remove ignition sources. Prevent spill from entering sewers, storm drains, and natural waterways.

And methods of cleaning up  Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers.

Waste Disposal  Waste likely considered hazardous, D001, under RCRA, (Ignitable waste) however product should be fully characterized prior to disposal (40 CFR 261).

RCRA Status  Waste likely considered hazardous, D001, under RCRA, (Ignitable waste) however product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

Precautions for safe handling
Advice on safe handling
Use only with adequate ventilation. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Store in cool, dry, ventilated area. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Use only in ventilated areas. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Pressurized container. Do not puncture, incinerate or crush. Do not expose to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area.

Incompatible materials
Oxidizing agents. Avoid heat, sparks and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
No Exposure limits noted for ingredient(s).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane</td>
<td>400 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>200 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Butane</td>
<td>1000 ppm</td>
<td>Not established</td>
</tr>
<tr>
<td>Naphtha(petroleum), light alkylate</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Use only outdoors or in well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection
Safety glasses / safety goggles.

Skin and body protection
Wear chemical resistant gloves.

Respiratory protection
If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed. Use only in well ventilated areas.

General Hygiene
Always observe good personal hygiene measures, such as washing hand thoroughly after handling the material and before eating, drinking, and/or smoking. Clean contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state
Aerosol
Appearance
White Hazy Spray
Color
White
Odor
Petroleum

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
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</thead>
<tbody>
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<td>pH</td>
<td>No Information available.</td>
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<td></td>
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<tr>
<td>Viscosity</td>
<td>No Information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
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<tr>
<td>Flash point</td>
<td>No information available.</td>
<td></td>
<td></td>
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<tr>
<td>Boiling point and Boiling range</td>
<td>No information available.</td>
<td></td>
<td></td>
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<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable aerosol.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
No information available.

Chemical stability
Material is stable at normal conditions.

Possibility of Hazardous Reactions
None known.

Conditions to avoid
Avoid temperatures greater than 122°F and sources of ignition.

Hazardous Decomposition Products
Oxides of Carbon.

Incompatibility
Avoid heat, flame and contact with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
May cause irritation to the respiratory tract, dizziness, headaches, drowsiness, unconsciousness and other central nervous system effects including death with excessive or prolonged exposure.

Eye contact
Causes eye irritation. This could result in redness, tearing, blurred vision and pain.

Skin Contact
Brief contact is not irritating. May cause irritation, dryness, redness, localized defatting with prolonged or repeated contact. Removes natural oils and fats from skin.

Ingestion
May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, dizziness, drowsiness, signs of intoxication, incoordination, and slurred speech depending on the amount ingested. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.

Symptoms related to the physical, chemical and toxicological characteristics
Bronchitis, asthma, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

Information on toxicological effects

Acute toxicity
Harmful to eyes, causing redness, tearing and blurred vision. May cause abdominal irritation, nausea, vomiting and diarrhea, if swallowed. Dermatitis may occur to the skin if long-term irritation. If inhaled may cause irritation, anesthetic, central nervous system depression.
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Dermal LD50</th>
<th>Oral LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane (142-82-5)</td>
<td>-</td>
<td>-</td>
<td>1600 ppm Vapors, Mice</td>
</tr>
<tr>
<td>Isopropyl Alcohol (67-63-0)</td>
<td>12870 mg/kg (Rabbit)</td>
<td>5045 mg/kg (Rat)</td>
<td>78.6 mg/L 4 hours (Rat)</td>
</tr>
</tbody>
</table>

Skin/Eye irritation Causes skin irritation and eye irritation.
Sensitization This product is not expected to cause skin sensitization.
Germ cell mutagenicity No information available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity No information available.
Aspiration hazard No information available.
Acute effects Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Inhalation: Anesthetic, irritation, Central Nervous System depression. Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk. Repeated or prolonged exposure may be toxic to kidneys, liver, skin, central nervous system (CNS).

Chronic effects

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid release to the environment.
Persistence and degradability Component or components of this product are not biodegradable.
Bioaccumulation This product is not expected to bioaccumulate.
Soil Mobility This product is mobile in soil.
Other adverse effects None Known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not dump in sewers.
US RCRA Status Waste likely considered hazardous, D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).
Waste from residues/unused products Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
UN/ID No. UN1950
Proper shipping name Aerosols, Limited Quantity
Transport hazard class(es) 2.1
Packing group N/A
IATA
UN/ID No.  UN1950
UN proper shipping name  Aerosols, flammable
Transport hazard class(es)  2.1
Packing group  N/A

IMDG
UN/ID No.  UN1950
Proper shipping name  Aerosols, Limited Quantity
Transport hazard class  2.1
Packing group  N/A

Environmental Class
Marine Pollutant  Yes.

15. REGULATORY INFORMATION

International Inventories
Yes* - Canadian Domestic Substance List (DSL)

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory-Yes*

*A Yes indicates that all components of this product comply with the inventory requirements administered by the governing county(s). A No indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA 313 (TRI reporting)
None Known.

SARA 311/312
Fire hazard. Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Aspiration hazard.

CERCLA
This material, as supplied, does not contain a substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations
Heptane (142-82-5) Director's List of Hazardous Substances: CA; Toxic Substances Disclosure to Employees Act: IL; Right-to-Know: MA, MN, NJ, PA, RI. Isopropyl Alcohol (67-63-0) Director's List of Hazardous Substances: CA; Toxic Substances Disclosure to Employees Act: IL; Right-to-Know: FL, NJ, PA, MN, MA, RI.

California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>0</td>
<td></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>3</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

**Issue Date**: 17-June-2015  
**Revision Date**: 15-Oct-2021  
**Revision Note**: Regulatory revisions

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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. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. 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.

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**End of Safety Data Sheet**