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
www.unitedlabsinc.ca

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>Hazard</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>
</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.
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.  

Response  
If inhaled: Remove individual to fresh air and keep comfortable for breathing. 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 handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. 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>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>6-14</td>
<td>*</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>68476-86-8</td>
<td>30-60</td>
<td>*</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>64741-66-8</td>
<td>15-40</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

May cause eye irritation. Symptoms may include tearing, redness and blurred vision. If inhaled is may cause irritation, anesthetic, Central Nervous System depression. If ingested, it may cause abdominal irritation, nausea, vomiting, aspiration risk, and diarrhea. If on skin, it may cause defatting or dermatitis. Repeated or prolonged exposure may be toxic to kidneys, liver, skin and central nervous system (CNS).

Indication of any immediate medical attention and special treatment needed

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 precautions for firefighters
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.

Specific Methods
Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous Combustion Products
Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Keep unnecessary personnel away. Wear appropriate protective equipment. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). For personal protection see Section 8 of the SDS.

Environmental precautions

Environmental precautions
Use outdoors or in a well-ventilated area.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources and ventilate area.
Methods for cleaning up
Absorb spill with non-combustible material, such as, vermiculite, sand or earth. Place waste in proper containers for waste disposal.

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

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Use only in ventilated areas. Wash hands thoroughly after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Store locked up. 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
Oxidizers, heat, sparks, open flame, and energized equipment.

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 (142-82-5)</td>
<td>400 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Isopropyl Alcohol (67-63-0)</td>
<td>200 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Propane/n-Butane (68476-86-8)</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon (64741-66-8)</td>
<td>400 ppm</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

NIOSH IDLH  Immediately Dangerous to Life or Health

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.

General Hygiene
Always observe good personal hygiene measures, such as washing 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
Liquid

Color
White

Odor
Solvent
Property | Values | Remarks • Method
--- | --- | ---
pH | No Information available. |
Specific Gravity | 0.725 |
Percent volatile | 99% |
Viscosity | No Information available. |
Melting point/freezing point | No Information available. |
Flash point | No information available. |
Boiling point and Boiling range | No information available. |
Evaporation rate | >2.5 |
Flammability (solid, gas) | Extremely flammable aerosol. |
Upper flammability limit: | No information available. |
Lower flammability limit: | No information available. |
Vapor pressure | 124 |
Vapor density | >2 |
Water solubility | Non-soluble. |
Partition coefficient | No information available. |
Auto-ignition temperature | No information available. |
Decomposition temperature | No information available. |
VOC (weight %) | 72% estimated |

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
Oxidizers, heat, sparks, open flame, and energized equipment

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Irritates respiratory tract. Vapor harmful. Acute overexposure can cause serious nervous system depression. Anesthetic.

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

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

Not an expected route of exposure. May be harmful if swallowed. Nausea, vomiting, headaches, abdominal pain, dizziness, diarrhea, pulmonary edema, unconsciousness or death.

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 LD540</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane (142-82-5)</td>
<td>&gt;2000 mg/kg (Rabbit)</td>
<td>&gt;15000 mg/kg (Rat)</td>
<td>103 g/m3 / 4 hours (Rat)</td>
</tr>
<tr>
<td>Isopropyl Alcohol (67-63-0)</td>
<td>12800 mg/kg (Rabbit)</td>
<td>5045 mg/kg (Rat)</td>
<td>16,000 ppm / 8 hours (Rat)</td>
</tr>
<tr>
<td>Propane/n-Butane (68476-86-8)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon (64747-66-8)</td>
<td>-</td>
<td>-</td>
<td>-</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.

Chronic effects

Repeated or prolonged exposure may be toxic to kidneys, liver, skin, central nervous system (CNS).

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

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.
Local disposal regulations

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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

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

UN/ID No. UN1950
Proper shipping name Aerosols, Limited Quantity
Transport hazard class(es) 2.1

IATA

UN/ID No. UN1950
UN proper shipping name Aerosols, Limited Quantity
Transport hazard class(es) 2.1

IMDG

UN/ID No. UN1950
Proper shipping name Aerosols, Limited Quantity
Transport hazard class 2.1

Environmental Class

Marine Pollutant No.

15. REGULATORY INFORMATION

International Inventories

Yes*

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 country(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 Type</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Delayed hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
SARA 313 (TRI reporting)
None Known.

SARA 311/312
Fire hazard.

CERCLA
This material, as supplied, does contain a substance regulated as a hazardous substances 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane (142-82-5)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Isopropyl Alcohol (67-63-0)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td>B</td>
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</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></td>
<td></td>
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<td>B</td>
</tr>
</tbody>
</table>

Issue Date 11-Apr-2015
Revision Date 17-June-2015
Revision Note No Information available

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