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Version 1

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)

Flammable Aerosol	Category 1
Skin Irritation	Category 2
Eye irritation	Category 2A
Aspiration Hazard	Category 1
Specific target organ toxicity (single exposure)	Category 3

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

Chemical Name	CAS No.	Weight-%	Trade Secret
Heptane	142-82-5	10-30	*
Isopropyl Alcohol	67-63-0	6-14	*
Propane/n-Butane	68476-86-8	30-60	*
Isoparaffinic Hydrocarbon	64741-66-8	15-40	*

*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 it 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).

Chemical Name	ACGIH TLV	OSHA PEL
Heptane (142-82-5)	400 ppm	400 ppm
Isopropyl Alcohol (67-63-0)	200 ppm	400 ppm
Propane/n-Butane (68476-86-8)	1000 ppm	1000 ppm
Isoparaffinic Hydrocarbon (64741-66-8)	400 ppm	400 ppm

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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.

Chemical Name	Dermal LD50	Oral LD50	Inhalation LC50
Heptane (142-82-5)	>2000 mg/kg (Rabbit)	>15000 mg/kg (Rat)	103 g/m ³ / 4 hours (Rat)
Isopropyl Alcohol (67-63-0)	12800 mg/kg (Rabbit)	5045 mg/kg (Rat)	16,000 ppm / 8 hours (Rat)
Propane/n-Butane (68476-86-8)	-	-	-
Isoparaffinic Hydrocarbon (64747-66-8)	-	-	-

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 county(s). A No indicates that one or more components of the product are no listed or exempt from listing on the inventory administered by the governing country(s).

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986

Acute health hazard	Yes
Delayed hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Heptane (142-82-5)	X	X	X
Isopropyl Alcohol (67-63-0)	X	X	X

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

NFPA	Health hazards 1	Flammability 3	Instability 0	Physical and Chemical Properties - Personal protection B
HMIS	Health hazards 1	Flammability 3	Physical hazards 0	

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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