

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 101 Moisture Barrier and Electrical Lubricant

Other means of identification

SDS# UNITED-101

Recommended use of the chemical

And restrictions on use

Recommended use Moisture Barrier and Electrical Lubricant

Uses Advised Against For institutional and industrial 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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable aerosols	Category 1
Reproductive toxicity (fertility)	Category 2
Aspiration hazard	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Suspected of damaging fertility.



Appearance Brown liquid

Physical state Aerosol

Odor Solvent Scent

Prevention

Do not handle until all safety precautions have been read and understood. 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. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison control center. If exposed or concerned: Get medical advice/attention. Do not induce vomiting.

Storage

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

Disposal

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

Hazard(s) not otherwise classified (HNOC)

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
White Mineral Oil (petroleum)	8042-47-5	40-60	*
Carbon Dioxide	124-38-9	2.5-10	*
Dipropylene Glycol Monomethyl Ether	34590-94-8	2.5-10	*
Methyl Silicone	556-67-2	2.5-10	*
Other components below reportable levels		40-60	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact

Wash off with soap and water.

Eye contact

Rinse with water. Get medical attention if irritation develops or persists.

Inhalation

If symptoms develop move individual to fresh air. Get medical attention if symptoms persist.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment needed and general information

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Chemicals. Carbon Dioxide (CO₂)

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Protective equipment and precautions for firefighters

Firefighters must use self-contained breathing apparatus and full protective clothing in enclosed spaces. Equipment including flame retardant coat, helmet with face shield, gloves and rubber boots.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards

Extremely flammable aerosol.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised in significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

Environmental precautions

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for containment and cleaning up

Refer to attached SDS and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see Section 13 of SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use in well ventilated areas. Should be handled in closed systems, if possible. Pregnant or breast feeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Pressurized container. Do not puncture, incinerate or crush. Do not handle or store near flame, heat and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. Store in cool place is recommended. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatibles. Level 2 Aerosol.

Incompatible materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Chemical Name	OSHA	ACGIH	NIOSH
Carbon Dioxide 124-38-9	PEL: 9000 mg/m3 PEL: 5000 ppm	STEL: 30000 ppm TWA: 5000 ppm	STEL: 54000 mg/m3 STEL: 30000 ppm TWA: 9000 mg/m3 TWA: 5000 ppm
Dipropylene Glycol Monomethyl Ether 34590-94-8	PEL: 600 mg/m3 PEL: 100 ppm	STEL: 150 ppm TWA: 100 ppm	STEL: 900 mg/m3 STEL: 150 ppm TWA: 600 mg/m3 TWA: 100 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limit values	No biological exposure limits noted for the ingredient(s).
Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Exposure guidelines	<p>US – California OELs: Skin designation – Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.</p> <p>US – Tennessee OELs: Skin designation – Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.</p> <p>US – ACGIH Threshold Limit Values: Skin designation - Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.</p> <p>US – NIOSH Pocket Guide to Chemical Hazards: Skin designation - Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.</p> <p>US – OSHA Table Z-1 Limits for Air contaminants (29 CFR 1910.1000) Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.</p>

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear chemical goggles and appropriate chemical resistant gloves.
Skin and body protection	Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary.
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
General Hygiene	When using do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol.
Appearance	Brown
Color	Brown Liquid.
Odor	Solvent Odor.

Property	Values	Remarks • Method
pH	No Information available.	
Specific Gravity	1.051 estimated.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	134.6°F (57.0 °C) estimated.	

Boiling point/boiling range	596.22°F (313.45°C)
Evaporation rate	Not available.
Flammability Limit – lower	0.6% estimated
Flammability Limit – upper	7% estimated
Vapor pressure	65-85 psig @70F estimated
Vapor density	>1 (air=1)
Relative density	No information available.
Water Solubility	No information available.
Partition coefficient (n-octanol/water)	No information available.
Auto-ignition temperature	834.8 °F (446°C).
Decomposition temperature	No information available.
Viscosity	No information available.
VOC (weight %)	3.34%

10. STABILITY AND REACTIVITY

Reactivity

This product is stable and not-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable at normal conditions.

Possibility of Hazardous Reactions

Does not occur.

Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Prolonged inhalation may be harmful.
Eye contact	Direct contact with eyes may cause temporary irritation.
Skin Contact	No adverse effects due to skin contact are expected.
Ingestion	Expected to be a low ingestion hazard. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Chemical Name	Dermal LD50	Oral LD50	Inhalation LC50
Dipropylene Glycol Monoethyl Ether 34590-94-8	9510 mg/kg, 24 hours (Rabbit)	5.4 ml/kg (Rat)	>553 ppm, 8 hours (Rat)
White Mineral Oil (petroleum) 8042-47-5	>2000 mg/kg, 24 hours (Rabbit)	-	2.18 mg/l, 4 hours (Rat)

*Estimates for product may be based on additional component data not shown.

Skin/Eye irritation	Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause temporary irritation.
Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	OSHA: No ACGIH: No NTP: No IARC: No
Chronic health hazards	Prolonged inhalation may be harmful.
Reproductive toxicity	Suspected of damaging fertility.
STOT - single exposure	No information available.
STOT - repeated exposure	No Information available.
Aspiration hazard	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Soil Mobility

No information available

Other adverse effects

No other adverse environmental effects are expected from this product.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of in accordance with federal, state, and local regulations.

Hazardous waste code

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

Waste from residues/unused Products

Empty containers or liners may retain some produce residues. This must be disposed of in a safe manner (See disposal instructions). Disposal should be in accordance with local, state and federal regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

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, flammable (each not exceeding 1 L capacity)
Hazard class(es)	2.1
Label(s)	2.1
Packaging exceptions	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non-bulk/bulk	None

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, flammable
Hazard class(es)	2.1
Label(s)	2.1
Packaging group	Not applicable.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Passenger and cargo aircraft	Allowed.
Packaging Exceptions	Limited Quantity

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Hazard class(es)	2.1
Label(s)	2.1
Packing group	Not applicable

Environmental hazards No
Marine pollutant

EmS F-D, S-U
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions Limited Quantity

15. REGULATORY INFORMATION

International Inventories

Canada, United States & Puerto Rico

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Not regulated.

DSL/NDSL - Canadian Domestic Substances List – Yes Non-Domestic Substances List - No

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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

SARA 304 Emergency release notification

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safety Drinking Water Act (SDWA): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US State Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Carbon Dioxide (124-38-9)	X	X	X
Dipropylene Glycol Monomethyl Ether 34590-94-8	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

<u>HMIS</u>	Health hazards 1	Flammability 1	Reactivity 0	Personal protection B
<u>NFPA</u>	Health hazards -	Flammability -	Reactivity -	Special hazards -

Issue Date 11-Apr-2015
 Revision Date 19-August-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