



# Safety Data Sheet

Issue Date 11-Apr-2015

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Version 1

## 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 (CO<sub>2</sub>)

**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*

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Engineering Controls</b>	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.
<b>Exposure guidelines</b>	<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**

<b>Eye/face protection</b>	Wear chemical goggles and appropriate chemical resistant gloves.
<b>Skin and body protection</b>	Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary.
<b>Respiratory protection</b>	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
<b>General Hygiene</b>	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**

<b>Physical state</b>	Aerosol.
<b>Appearance</b>	Brown
<b>Color</b>	Brown Liquid.
<b>Odor</b>	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.	

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

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin Contact</b>	No adverse effects due to skin contact are expected.
<b>Ingestion</b>	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.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	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.

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

<b>UN/ID No.</b>	UN1950
<b>Proper shipping name</b>	Aerosols, flammable (each not exceeding 1 L capacity)
<b>Hazard class(es)</b>	2.1
<b>Label(s)</b>	2.1
<b>Packaging exceptions</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non-bulk/bulk</b>	None

**IATA**

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

**IMDG**

<b>UN/ID No.</b>	UN1950
<b>Proper shipping name</b>	Aerosols
<b>Hazard class(es)</b>	2.1
<b>Label(s)</b>	2.1
<b>Packing group</b>	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/NDL** - 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**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	Yes
<b>Reactive Hazard</b>	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**

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

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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**