Safety Data Sheet

Issue Date 19-Aug-2015 **Revision Date** 08-Nov-2018 **Version** 2

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)

Gas under pressure	Compressed gas
Reproductive toxicity (fertility)	Category 2
Aspiration hazard	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Suspected of damaging fertility.

Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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.

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
White Mineral Oil (petroleum)	8042-47-5	80-90	*
Dipropylene Glycol Monomethyl Ether	34590-94-8	2.5-10	*
Octamethylcyclotetrasiloxane	555-67-2	2.5-10	
Carbon dioxide	124-38-9	1-2.5	*
Distillates, Petroleum, Hydrotreated Light Naphthenic	64742-53-6	0.1-1	*
Other components below reportable levels	-	2.5-10	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact No adverse effects due to skin contact are expected.

Eye contact No specific first aid measure noted.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion Not likely, due to the form of the product.

Most important symptoms and effects, both acute and delayed

Aspiration may cause pulmonary edema and pneumonitis.

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 chemical powder. Water fog. Carbon Dioxide (C02)

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters
Firefighters must use self-contained breathing apparatus and full protective clothing.

Fire-fighting equipment/instructions
In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

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

General fire hazards
Contents under pressure. Pressurized container may explode when exposed to heat or flame. Combustible.

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. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if 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 safety data sheets and/or instructions for use. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see Section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for 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. Ground and bond containers when transferring material. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow back feed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. 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. Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS). Level 2 Aerosol

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Chemical Name	OSHA – WEEL*	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
Octamethylcyclotetrasiloxan* 555-67-2	TWA: 10 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 US – California OELs: Skin designation – Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.
US – Tennessee OELs: Skin designation – Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.
US – ACGIH Threshold Limit Values: Skin designation - Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.
US – NIOSH Pocket Guide to Chemical Hazards: Skin designation - Dipropylene Glycol Monomethyl Ether (34590-94-8) Can be absorbed through the skin.
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.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical goggles are recommended.

Skin and body protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Wear suitable protective clothing. Use an impervious apron is recommended.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General Hygiene Observe any medical surveillance requirements. When using do not 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 Gas
Appearance Aerosol. Compressed gas.
Color Light brown liquid.
Odor Slight solvent odor

Property	Values	Remarks • Method
pH	No Information available.	
Specific Gravity	0.877 estimated	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	346.4°F (174.7 °C) estimated.	

Boiling point/boiling range	No information available.
Evaporation rate	No information available.
Flammability Limit – lower	No information available.
Flammability Limit – upper	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	No information available.
Water Solubility	No information available.
Partition coefficient (n-octanol/water)	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
VOC (weight %)	None
Other information – Aerosol spray enclosed space-Deflagration density	1398 g/m^3 No ignition
Time equivalent	0 s/m^3 No ignition
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

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
Hazardous polymerization does not occur.

Conditions to avoid
Heat. 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	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.

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 hrs (Rabbit)	>5000 mg/kg (Rat)	>553 ppm, 8 hrs (Rat)
Distillates, Petroleum, Hydrotreated Light Naphthenic 64742-53-6	>2000 mg/kg (Rabbit)	>2000 mg/kg (Rabbit)	2.18 mg/l, 4 hrs (Rat)
Octamethylcyclotetrasiloxane 555-67-2	>2000 mg/kg 24 hrs (Rat)	1700 mg/kg (Mouse)	36 mg/l, 4 hrs (Rat) (Aerosol)
White Mineral Oil (petroleum) 8042-47-5	>2000 mg/kg, 24 hrs (Rabbit)	>5000 mg/kg (Rat)	2.18 mg/l, 4 hrs (Rat)

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

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.
Serious eye damage/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. Prolonged exposure may cause chronic effects.
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 on the degradability of this product.

Bioaccumulation
No information available.

Soil Mobility
No information available

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) 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.
Local disposal regulations	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	Disposal should be in accordance with local, state and federal regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty container should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

General Information: Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

DOT

UN/ID No.	UN1950
Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity)
Hazard class(es)	2.2
Label(s)	2.2
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)	2.2
Label(s)	2.2
Packaging group	Not applicable.
ERG Code	2L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Passenger and cargo aircraft	Allowed with restrictions
Packaging Exceptions	Limited Quantity

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Hazard class(es)	2.2
Label(s)	None
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

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

International Inventories
Australia, Canada, China, Japan, Korea, New Zealand, Philippines, 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	No
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
Distillates, Petroleum, Hydrotreated Light Naphthenic 64742-53-6	-	X	-

US California, Candidate Chemicals List. Safer Consumer Products Regulations (Cal.Code Regs, tit.22,69502.3, subd. (a)). Distillates, Petroleum, Hydrotreated Light Naphthenic (64742-53-6). Octamethylcyclotetrasiloxane (555-67-2).

US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100). Not listed.

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

HMIS	**Health hazards**	1	**Flammability**	**1**	**Reactivity**	0	**Personal protection** B
NFPA	**Health hazards**	-	**Flammability**	-	**Reactivity**	-	**Special hazards** -

Issue Date	19-Aug-2015
Revision Date	08-Nov-2018
Revision Note	**Revised**

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