Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 19-June-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 121 DEEP DOWN DEODORANT

Other means of identification
SDS# UNITED 121

Recommended use of the chemical And restrictions on use
Recommended use Foaming Carpet Deodorizer
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
Hazardous to the aquatic environment, acute hazard	Category 3
Hazardous to the aquatic environment, long-term hazard	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Extremely flammable aerosol. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Appearance Clear- yellow **Physical state** Aerosol **Odor** Citrus

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 release to the environment.

Response
Wash hands thoroughly after handling.

Storage
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.

Supplemental information
16.89% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 16.98% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Butane	106-97-8	2.5-10	*
Diethylene Glycol Monobutyl Ether	112-34-5	2.5-10	*
Polyethylene Glycol Nonylphenol Ether	9016-45-9	1 - 2.5	*
Propane	74-98-6	1 – 2.5	*
Other components below reportable levels		80 - 90	

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

4. FIRST AID MEASURES

First aid measures

Skin Contact Immediately take off contaminated clothing. Immediately flush skin with plenty of water. Get medical attention immediately. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contacts lenses, if present and east to do. Get medical attention immediately.

Inhalation If symptoms develop move individual to fresh air. Oxygen or artificial respiration is needed. Do not use mouth-to-mouth method if individual inhaled the substance. Call a poison control or physician immediately. Induce artificial respiration with the aid of a pocket mask equipped with one-way valve or other proper respiratory medical device. Get medical attention if symptoms persist.

Ingestion Have individual rinse mouth thoroughly with water. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have individual lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if individual ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If ingestion of a large amount does occur, seek medical attention.

Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

Immediate medical attention is required. If you feel unwell, seek medical advice (show label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Carbon Dioxide, Dry Chemical, Water Spray and Regular Foam.

Unsuitable extinguishing media Water jet, as this will spread fire.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame. Fire may product irritating, corrosive and/or toxic gases.

Protective equipment and precautions for firefighters
Firefighters must use standard protective equipment, including flame retardant coat, a helmet with face shield, gloves rubber boots, and in enclosed spaces, a SCBA. Firefighters should wear full protective clothing including self-contained breathing apparatus. Structural firefighter's protective clothing will only provide limited protection.

Fire-fighting equipment/instructions
In the event of a fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breath apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do at no risk. 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 area if you can do so at no risk. In the event of a fire, cool tanks with water spray. 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. Consider initial downwind evacuation for at least 500 meters (1/3 miles). Keep people away from an upwind of spill/leak. Wear appropriate protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see Section 8 of the SDS.

Environmental precautions

Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of the environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so at no risk.

Methods for cleaning up Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until has dispersed. Dike the spilled material, where this is possible. Clean contaminated surface thoroughly. For waste disposal, see Section 13 of the SDS. This material and its container must be disposed of as hazardous waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Will ignite if exposed to intensive heat or open air. Vapors may form explosive mixtures with air. May be ignited by open flame. Pressurized container: Do not pierce or burn, even after use. 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 no re-use empty containers. Use adequate ventilation. Do not breathe gas/fumes/vapor/spray. Do not get material in eyes or contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Wear SCBA and protective suit. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release into environment. Observe good industrial hygiene practices. Keep out of reach of children. Level 1 Aerosol.

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container. Do not puncture, incinerate or crush. Do not expose to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Storing in a cool place is recommended. Store away from incompatible materials, (see Section 10).

Incompatible materials Oxygen. Acids. Peroxides. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No Exposure limits noted for ingredient(s).

Chemical Name	OSHA	ACGIH	NIOSH
Propane (74-98-6)	PEL: 1800 mg/m3 PEL: 1000 ppm	*X*	TWA: 1800 mg/m3 TWA: 1000 ppm
Butane (106-97-8)	X	STEL: 1000 ppm	TWA: 1900 mg/m3 TWA: 800 ppm
Diethylene Glycol Monobutyl Ether (112-34-5)	X	TWA: 10 ppm Inhalable fraction and vapor	X

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

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. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield. Avoid contact with eyes.

Skin and body protection Wear appropriate chemical resistant gloves. Avoid contact with skin. Wear chemical protective equipment that is specifically recommended by the manufacturer. If may provide little or no thermal protection.

Respiratory protection Wear a NIOSH approved mechanical filter/organic vapor respiratory protection if listed exposure limits are exceeded.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General Hygiene Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Avoid contact with eyes and skin. When using do not smoke. 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
Color	Clear yellow
Odor	Citrus

Property	Values	Remarks • Method
pH	10-11 estimated	
Specific Gravity	1.0029 Concentrate (H20=1)	
Percent volatile	No information available.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	-156.0°F (-104.4°C)	
Boiling point and Boiling range	215.41°F (101.9°C) estimated	
Evaporation rate	No information available.	
Flammability (solid, gas)	No information available.	
Upper flammability limit:	No information available.	
Lower flammability limit:	No information available.	
Vapor pressure	60-80 psig @70°F estimated	
Vapor density	No information available.	
Water solubility	No information available.	
Partition coefficient	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
VOC (weight %)	None known.	

10. STABILITY AND REACTIVITY

Reactivity
This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Risk of ignition. Risk of explosion. No hazards to be especially mentioned. Stable at normal conditions. Unstable.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to avoid
Heat, sparks, and flames. Exposure to air. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatibility:
Oxygen. Acids. Peroxides. Strong oxidizing agents. May form explosive mixtures with air.

Hazardous Decomposition Products
May include oxides of oxides of carbon. May include oxides of phosphorus. 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.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity LC50: 201 mg/l/4hour, Rat, Inhalation
LD50: 36290 mg/kg, Rat, Dermal

Chemical Name	Dermal LD50	Oral LD540	Inhalation LC50
Butane (106-97-8)	-	-	1355 mg/ (Rat)
Diethylene Glycol Monobutyl Ether (112-34-5)	2764 mg/kg, 24 hours (Rabbit)	2500-3000 mg/kg (Rabbit)	-
Propane (74-98-6)	-	-	1355 mg/l (Rat)

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

Skin irritation	Not expected to be hazardous by OSHA criteria. Not applicable.
Eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory Sensitization	None known.
Skin Sensitization	This product is not expected to cause skin sensitization.
Reproductive toxicity	Possible reproductive hazard. Not expected to be hazardous by OSHA criteria.

Carcinogenicity	This product is not considered to be a carcinogen by IARC, OSHA, ACGIH and NTP.
Aspiration hazard	Not likely, due to the form of the product.
Chronic effects	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects. Not expected to be hazardous by WHMIS criteria.
Special target organ toxicity	
Single/repeated exposure	None known.
Further information	This product has no known adverse effect on human health. Symptoms may be delayed.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

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 component.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations. Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Do not allow material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or container.
US RCRA Status	Waste likely considered (D001) ignitable waste.
Waste from residues/unused products	Dispose in accordance with local 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	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

Transport hazard class(es)	2.1
Label(s)	2.1
Special precautions to user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Label(s)	2.1
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Passenger/cargo aircraft	Allowed

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols
Transport hazard class	2.1
Label(s)	2.1
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Environmental Class	
Marine Pollutant	No.

15. REGULATORY INFORMATION

International Inventories

Canada, China, United States and Puerto Rico – Yes*
Australia, Canada, Europe, Japan, Korea, New Zealand and Philippines - No

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

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910, 1200.

SARA 302 Extremely Hazardous Substance

Chemical Name	CAS Number	Reportable Quantity	Threshold planning quantity
Anhydrous Ammonia	7664-41-7	100	500 lbs.
Ethylene Oxide	75-21-8	10	1000 lbs.

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)

Butane(106-97-8) and Propane(74-98-6)

Safe Drinking Water (SDWA)

Not Regulated.

SARA 311/312

None Known.

Superfund Amendments and Reauthorization Act of 1986

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

SARA 313 (TRI reporting)

Chemical Name	CAS Number	% of weight
1,4-Dioxane	123-91-1	0.01-0.1
Acetaldehyde	75-07-0	0.01-0.1
Ethylene Oxide	75-21-8	0.01-0.1

CERCLA

This material, as supplied, does not 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/Rhode Island
Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

California Proposition 65

Warning: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

US-California Proposition 65 – CRT-Carcinogenic Substance: 1,4-Dioxane (123-91-1), Acetaldehyde (75-07-0), Ethylene Oxide (75-21-8).
US-California Proposition 65 – CRT-Developmental toxin: Ethylene Oxide (75-21-8)
US-California Proposition 65 – CRT-Female reproductive toxin: Ethylene Oxide (75-21-8)
US-California Proposition 65 – CRT-Male reproductive toxin: Ethylene Oxide (75-21-8)

16. OTHER INFORMATION

NFPA	**Health hazards -**	**Flammability** -	**Instability -**	**Physical and Chemical Properties** -
HMIS	**Health hazards** *1	**Flammability** 2	**Physical hazards 0**	**Personal protection** B & X

Issue Date 11-Apr-2015
Revision Date 12-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