Safety Data Sheet

Issue Date 07-May-2015 **Revision Date** 27-Jul-2017 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 148 NUTKRACKER

Other means of identification

SDS# UNITED – 148

Recommended use of the chemical and restrictions on use

Recommended use Penetrating Oil.

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

Company Phone Number 800-323-2594 (to reorder)

Emergency Telephone 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).

Aspiration toxicity	Category 1
Flammable Aerosols	Category 1

Label elements

Emergency Overview

Danger

Extremely flammable aerosol. May be fatal if swallowed and enters airways.

Precautionary Statements

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.

Response
If swallowed, immediately call a poison control or doctor/physician. If exposed and concerned, please see medical advice / attention. Do NOT induce vomiting.

Storage
Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).

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

Hazards not otherwise classified (HNOC)
Combustible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Distillates (Petroleum), Hydrotreated Light	64742-47-8	40-60	*
Distillates (Petroleum) Hydrotreated Heavy Paraffinic	64742-54-7	0.1-1	*
Diethylene Glycol Monobutyl Ether	112-34-5	2.5-10	*
Propane	74-98-6	10-20	*
Other components below reportable levels	-	20-40	

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

4. FIRST AID MEASURES

First aid measures

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Skin Contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Inhalation If symptoms develop move victim 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

Symptoms Aspiration may cause pulmonary edema and pneumonitis.

Indication of any immediate medical attention and special treatment needed

Note to physicians Provide general supportive measures and treat symptomatically. Keep individual under observation, symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use of 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. During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters
Firefighters must use standard protective equipment, including flame retardant coat, helmet with face shield, gloves rubber boots, and enclosed spaces, SCBA.

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. 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 fire-fighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards
Extremely flammable aerosol. 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. 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 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. Use water spray to reduce vapors or divert vapor cloud drift. 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

Advice on safe handling 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 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. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. 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. Store away from incompatible materials (see Section 10 of the SDS). Level 3 Aerosol.

Incompatible materials See Section 10 for further information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Exposure guidelines noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene Glycol Monobutyl Ether 112-34-5	TWA: 10 ppm (Inhalable fraction and vapor)	-	-
Propane 74-98-6	-	TWA: 1000 ppm TWA: 1800 mg/m^3	TWA: 1000 ppm TWA: 1800 mg/m^3

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Engineering Controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rats 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.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin and body protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier. Ware 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 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
Form Aerosol
Color Amber to dark brown spray
Odor Bland scent

Property	Values	Remarks • Method
pH	No information available	

Specific Gravity	0.831-0.851 estimated
Viscosity	Water Thin
Melting point/freezing point	No Information available
Flash point	-104.4°C (-156°F) Propellant estimated
Boiling point / boiling range	193.9 °F (89.94 °C) Estimated
Evaporation rate	No Information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	No information available
Upper flammability limit:	7.1 % Estimated
Lower flammability limit:	0.8% Estimated
Vapor pressure	38-48 psig @70°F estimated
Vapor density	No Information available
Water solubility	No Information available
Partition coefficient	No Information available
Autoignition temperature	516.7 °F (269.28 °C) estimated
Decomposition temperature	No Information available
Flame extension	33 is estimated
Oxidizing properties	Not oxidizing
VOC	24.5%

10. STABILITY AND REACTIVITY

Reactivity
The product is non-reactive and stable under normal conditions of use.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal conditions. Hazardous polymerization does not occur.

Conditions to avoid
Contact with incompatible materials. Avoid temperatures exceeding the flash point.

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.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol Monobutyl Ether 112-34-5	= 7291 mg/kg (Rat)	= 2764mg/kg, 24 hours (Rabbit)	= 74mg/ 4 hours (Rat)

Distillates (Petroleum) Solvent-dewaxed Heavy Paraffinic 64742-65-0	>2000mg/kg (Rat)	>2000 mg/kg (Rabbit) >2000 mg/kg, 24 hours (Rabbit)	>2.18 mg/l, 4 hours (Rat)
Distillates (Petroleum), Hydrotreated Light 64742-47-8	>5000 mg/kg (Rat)	>2000 mg/kg >2000 mg/kg, 24 hours (Rabbit)	>7.5 mg/l 6 hours (Rat)
Propane 74-98-6	-	-	658 mg/l, 4 hours (Rat) 1355 mg/l

Information on toxicological effects

Symptoms Aspiration may cause pulmonary edema and pneumonitis.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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.
Respiratory sensitization Not a respiratory sensitizer.
Germ cell mutagenicity No Information available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity Risk of cancer cannot be excluded with prolonged effects. IARC, OSHA, NTP not listed.
Reproductive toxicity Not expected to cause reproductive or developmental effects.
STOT - single exposure No Information available.
STOT - repeated exposure No Information available.
Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Target organ effects Not classified.
Aspiration hazard May be fatal if swallowed and enter airways.
Acute Toxicity May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity
This 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.

Partition coefficient n-octanol / water (log Kow)

Diethylene Glycol Monobutyl Ether	0.56
Propane	2.36

Mobility in soil 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 Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, crush or incinerate. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
Waste from residues/unused products	Dispose of 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).
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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 UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be use now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

DOT

UN Number	UN1950
Proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity)
Hazard Class	2.1
Label(s)	2.1
Packing Group	No information available.
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 Number	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1
Label(s)	2.1
Packing Group	No information available.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ERG Code	10L
Passenger and cargo aircraft	Allowed with restrictions
Cargo aircraft only	Allowed with restrictions.
Packaging exceptions	LTD QTY.

IMDG

UN Number	UN1950
Proper shipping name	AEROSOLS
Transport Hazard class(es)	
Class	2.1
Label(s)	2.1
EmS	F-D, S-U
Packing group	No information available Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code
Environmental Hazards **Marine pollutant**	No.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 302 Extremely hazardous substance
Not listed.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. No.

SARA 311/312 Hazard Categories

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

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

CAA (Clean Air Act) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Propane (CAS 74-98-6).

Safe Drinking Water Act
Not regulated.

CERCLA
This material, as supplied, does not contain any substances regulated as 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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material. Not listed.

US State Regulations
US California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)). Distillates (petroleum), Hydrotreated Heavy Paraffinic (64742-54-7).

California Proposition 65
This product does not contain any Proposition 65 chemicals. This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Rhode Island/Massachusetts	Pennsylvania
Propane 74-98-6	X	X X	X

16. OTHER INFORMATION

NFPA	**Health hazards**	1	**Flammability**	4	**Instability**	0	**Physical and Chemical Properties**	Yes
HMIS	**Health hazards**	1*	**Flammability**	4	**Physical hazards**	0	**Personal protection**	X

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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 a 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.