SAFETY DATA SHEET

Issue Date 11-Apr-2015 Revision Date 20-May-2015 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 100 TOOL COOL

Other means of identification
SDS# UNITED 100

Recommended use of the chemical And restrictions on use
Recommended use Air Tool Cleaner and Lubricant
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)

Physical Hazard –Flammable Aerosols	Category 1
Health Hazard – Aspiration Hazard	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

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

Appearance Dark Red Liquid **Physical state** Aerosol **Odor** Solvent

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 center/physician. If exposed or concerned: Seek medical advice/attention. Do not induce vomiting.

Storage
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)
Not classified.

Environmental hazards
Hazardous to the aquatic, acute hazard and long-term hazard: Category 2

Supplemental information

Hazard statement
Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Prevention
Avoid release to the environment.

Response
Collect Spillage.

78.15% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 78.15% 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
Solvent Naphtha (Petroleum) Light Aliphatic	64742-89-8	20-40	*
Butane	106-97-8	10-20	*
Naphtha (Petroleum), Light Alkylate	64741-66-8	10-20	*
Ethyl Alcohol	64-17-5	2.5-10	*
n-Heptane	142-82-5	2.5-10	*
Propane	74-98-6	2.5-10	*
Cyclohexane	110-82-7	0.1-1	*
Octane	111-65-9	0.1-1	*
Other components below report able levels		10-20	*

*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. Get medical attention if irritation develops and persists.

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 persists.

Ingestion Call a physician or poison control center immediately. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis.

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Powder.

Unsuitable extinguishing media None known.

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 standard protective equipment including flame retardant coat, helmet with face shield, gloves rubber boots , and in enclosed space, SCBA. If there is no risk, move containers from fire area. 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 container from fire area if it can be done without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion no not breathe fumes.

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. Wear appropriate protective 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 in significant spillages cannot be contained. For personal protection, see Section 8 of this SDS.

Environmental precautions

Environmental precautions Avoid release into the environment. Contact local authorities in case of spillage to drain/ Aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Move the container to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

Methods for cleaning up Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Clean contaminated surface thoroughly to remove residual contamination.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Keep away from heat, sparks, flame and other sources of ignition. Do not spray on naked flame or any other incandescent material. Equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in ventilated areas. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not empty into drains.

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. This material can accumulate static charge which may cause spark and become an ignition source. Level 3 Aerosol.

Incompatible materials Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Cyclohexane 110-82-7	TWA: 100 ppm	PEL: 1050 mg/m3 PEL:300 ppm	TWA: 1050 mg/m3 TWA: 300 ppm
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	PEL: 1900 mg/m3 PEL: 1000 ppm	TWA: 1900 mg/m3 TWA: 1000 ppm
N-Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	PEL: 2000mg/m3 500 ppm	Ceiling: 1800 mg/m3 Ceiling: 440 ppm TWA: 350 mg/m3 TWA: 85 ppm
Octane 111-65-9	TWA: 300 ppm	PEL: 2350 mg/m3 PEL: 500 ppm	Ceiling: 1800 mg/m3 Ceiling: 385 ppm TWA: 350 mg/m3 TWA: 75 ppm
Propane 74-98-6	-	PEL: 1800 mg/m3 PEL: 1000 ppm	TWA: 1800 mg/m3 TWA: 1000 ppm
Butane 106-97-8	-	-	TWA: 1900 mg/m3 TWWA: 800 ppm

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 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.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and chemical resistant clothing. 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 smoothing. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Clear
Color	Dark Red Liquid.
Odor	Solvent Scent.

Property	Values	Remarks • Method
pH	No Information available.	
Specific Gravity	0.275 estimated	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	-104.44 °C (-156.00 °F)	
Vapor pressure	35.82 psig @70F estimated	
Vapor density	No Information available	
VOC Content	81.62%	

10. STABILITY AND REACTIVITY

Reactivity
This product is stable and non-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
Avoid temperatures exceeding the flash point.

Hazardous Decomposition Products
No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May be fatal if swallowed and enters airways.
Eye contact	Direct contact with eyes may cause temporary irritation.
Skin Contact	No information available.
Ingestion	May be fatal if swallowed and enters airways.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Chemical Name	Other LD50	Oral LD50	Inhalation LC50/LD50
Butane 106-97-8	-		658 mg/l, 4 hours (Rat)
Cyclohexane 110-82-7	-	29820 mg/kg (Rat)	1243 mg/l, 6 hours (Monkey)
Ethyl Alcohol 64-17-5	1440 mg/kg (Rat)	6.2 g/kg (Rat)	20000 mg/l, 10 hours (Rat))
n-Heptane 142-82-5	222mg/kg (Mouse)	-	103 mg/l, 4 hours (Rat) 75mg/l, 2 hours (Mouse)
Octane 111-65-9	-	-	118mg/l, 4 hours (Rat)
Propane 74-98-6	-	-	>1442.847 mg/l, 15 minutes (Rat) 658 mg/l, 4 hours (Rat)

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

Skin/Eye irritation	Prolonged skin contact and direct contact to eyes, may cause temporary irritation.
Sensitization	This product is not expected to be hazardous.
Germ cell mutagenicity	No information available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity	Possible reproductive hazard.
STOT - single exposure	No Information available.
STOT - repeated exposure	No Information available.
Target organ effects	No information available.
Aspiration hazard	May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Chemical Name	Partition coefficient
Ethyl Alcohol 64-17-5	-0.31
Propane 74-98-6	2.36
Cyclohexane 110-82-7	3.44
Butane 106-97-8	2.89
n-Heptane 142-82-5	4.66
Octane 111-65-9	5.18

Other adverse effects No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warning 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 no puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with regional, national and local laws and regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

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

US RCRA Hazardous Waste U-List: Reference Cyclohexane (110-82-1) U056

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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

IATA

UN/ID No. UN1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es) 2.1

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class	2.1

Environmental Class Yes.
Marine Pollutant

15. REGULATORY INFORMATION

International Inventories

Country(s) or Region

Canada	Yes*
Puerto Rico	Yes*

*Yes indicates this product complies with the inventory requirements administered by the governing country(s).

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

CERCLA Hazardous Substance List (40 CFR 302.4) - Cyclohexane (110-82-7) Listed
SARA 304 Emergency release notification - Not regulated

Superfund Amendments and Reauthorization Act of 1986

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

SARA 302 Extremely hazardous substance No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Butane (106-97-8) Propane (74-98-6)
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.04 (f)(2) and Chemical Code Number	Not Listed.
Food and Drug Administration (FDA)	Not Regulated.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

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

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Butane 106-97-8	X	-	X

Cyclohexane 110-82-7	X	-	X
Propane 74-98-6	X	-	X
Ethyl Alcohol 64-17-5	-	-	X
n-Heptane 142-82-5	-	-	X
Octane 11-65-9	-	-	X

16. OTHER INFORMATION

NFPA	**Health hazards**	1	**Flammability**	3	**Instability** 0	**Physical and Chemical Properties**	Yes
HMIS	**Health hazards**	1	**Flammability**	3	**Physical hazards** 0	**Personal protection**	B

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Revision Note

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