



LABORATORIES

Issue Date 11-Apr-2015

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Version 1

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 174 CONTACT CLEANER

Other means of identification

SDS# UNITED-174

Recommended use of the chemical

And restrictions on use

Recommended use Contact Cleaner for removing grease and dirt.
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)

Skin Irritation	Category 2
Eye irritation	Category 2B
Specific target organ toxicity (repeated exposure)	Category 2
Specific target organ toxicity (single exposure)	Category 3

Label elements

Emergency Overview

Warning

Hazard statements

Contains gas under pressure; may explode if heated. Causes skin and eye irritation. May cause drowsiness or dizziness. May cause damage to central nervous system through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.



Appearance Clear

Physical state Aerosol

Odor Alcohol

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 breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not breathe in fumes, vapors, and spray. Wear eye/face protection.

Response

If inhaled: Remove individual to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing. Call poison center or physician if you feel unwell. If eye irritation persists: Get medical advice/attention. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention.

Storage

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed. Store in a well-ventilated place.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

Not classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Trans,1,2 Dichloroethylene	156-60-5	7-13%	*
1,1,1,2,2,3,4,5,5,5-Decafluoropentane	138495-42-8	30-60%	*
1,1,1,2-Tetrafluoroethane	811-97-2	30-60%	*
Ethyl Alcohol	64-17-5	3-7%	*
Hexane	110-54-3	1-5%	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact

If on skin: Wash with plenty of water. If skin irritation occurs; get medical attention.

Eye contact

If in eyes: Rinse cautiously with water several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Inhalation

If inhaled: Remove individual to fresh air and keep comfortable for breathing. Call poison control or physician if you feel unwell.

Ingestion

If swallowed: Immediately contact a physician or poison control center. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

May cause eye irritation. Symptoms may include tearing, redness and blurred vision. If inhaled it may cause irritation, anesthetic, Central Nervous System depression. If ingested, it may cause abdominal irritation, nausea, vomiting and diarrhea. Dermatitis may occur due to long-term irritation to skin.

Indication of any immediate medical attention and special treatment needed

If ingested, material may be aspirated into the lungs and may cause chemical pneumonitis. Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Foam. Carbon Dioxide and Dry Chemical.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

Keep away from heat/sparks/open flames/hot surfaces. Contents under pressure. Exposure to temperatures above 120°F/48°C may cause container to burst. No smoking.

Protective equipment and precautions for firefighters

Firefighters must use standard protective equipment, safety goggles and chemical resistant gloves, with NIOSH self-contained breathing apparatus.

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.

Hazardous Combustion Products

Oxides of carbon and hydrogen halides.

General fire hazards

Not considered a 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. Keep out of low areas. Wear appropriate protective equipment. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing mist or vapor. 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**

Use outdoors or in a well-ventilated area. Avoid discharge into drains, water sources 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. Eliminate all ignition sources and ventilate area.

Methods for cleaning up Absorb spill with non-combustible material, such as, vermiculite, sand or earth. Place waste in proper containers for waste disposal.

RCRA Status Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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. Use only in ventilated areas. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Pressurized container. Do not puncture, incinerate or crush. Do not expose to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL
Trans,1,2 Dichloroethylene (156-60-5)	200 ppm	200 ppm
1,1,1,2,2,3,4,5,5,5,Decafluoro-pentane (138495-42-8)	-	-
1,1,1,2-Tetrafluoroethane (811-97-2)	-	-
Ethyl Alcohol (64-17-5)	1000 ppm	1000 ppm
Hexane (110-54-3)	500 ppm	500 ppm

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls Use only outdoors or in well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses and safety goggles.

Skin and body protection Wear chemical resistant gloves.

Respiratory protection Wear a NIOSH approved organic vapor respiratory protection if listed exposure limits (Section 8) are exceeded.

General Hygiene Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Clean contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Clear
Color	Clear
Odor	Solvent

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No Information available.	
Specific Gravity	1.26 @ 25°C (77°F)	
Percent volatile	100%	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	No information available.	
Boiling point and Boiling range	41°C (106°F)	
Evaporation rate	>3 Fast.	
Flammability (solid, gas)	Not considered a flammable aerosol.	
Upper flammability limit:	No information available.	
Lower flammability limit:	No information available.	
Vapor pressure	261 mm HG@ 25°C (77°F)	
Vapor density	3.7 (Air=1.0)	
Water solubility	Non-soluble.	
Partition coefficient	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
VOC (weight %)	8% estimated	

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

None known.

Conditions to avoid

Avoid temperatures exceeding the flash point. Avoid heat, spark, open flames and other ignition sources. Avoid contact with incompatible materials: strong oxidizing agents.

Hazardous Decomposition Products

Oxides of Carbon and Hydrogen Halides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Causes dizziness or drowsiness. Causes headaches, nausea, central nervous system depression, excessive or prolonged exposure may cause unconsciousness.
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- Eye contact** Causes eye irritation. This could result in redness and tearing.
- Skin Contact** Causes irritation to the skin, which includes redness and burning.
- Ingestion** Causes gastrointestinal irritation, nausea and diarrhea. Absorption through gastro-Intestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness.
- Symptoms related to the physical, chemical and toxicological characteristics** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

Information on toxicological effects

Acute toxicity Harmful to eyes, causing redness, tearing and blurred vision. May cause abdominal irritation, nausea, vomiting and diarrhea, if swallowed. Dermatitis may occur to the skin if long- term irritation.

Chemical Name	Dermal LD50	Oral LD540	Inhalation LC50
Hexane (110-54-3)	>2000 mg/kg (Rabbit)	>5000 mg/kg (Rat)	>3367 ppm / 4 hours (Rat)

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

- Skin/Eye irritation** Causes skin irritation and eye irritation.
- Sensitization** This product is not expected to cause skin sensitization.
- 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** No expected to cause reproductive or developmental effects.
- Aspiration hazard** No information available.
- Chronic effects** Dermatitis may occur due to long-term irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available.

Persistence and degradability
Component or components of this product are not biodegradable.

Bioaccumulation
This product is not expected to bioaccumulate.

Soil Mobility
This product is mobile in soil.

Other adverse effects
No other adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations. Containers may be hazardous when empty.
Local disposal regulations	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
US RCRA Status	Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).
Waste from residues/unused products	Dispose in accordance with local regulations.
Contaminated packaging	Do not reuse container.

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 12/31/20 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, Limited Quantity
Transport hazard class(es)	2.2

IATA

UN/ID No.	UN1950
UN proper shipping name	Aerosols, Limited Quantity
Transport hazard class(es)	2.2

IMDG

UN/ID No.	UN1950
Proper shipping name	Aerosols, Limited Quantity
Transport hazard class	2.2

Environmental Class
Marine Pollutant No information available.

15. REGULATORY INFORMATION

International Inventories
 Yes*

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

Superfund Amendments and Reauthorization Act of 1986

Acute health hazard	Yes
Delayed hazard	Yes
Fire hazard	Yes

Sudden release of pressure hazard No
Reactive Hazard No

SARA 313 (TRI reporting)

1,2 Dichloroethylene (156-60-5)

SARA 311/312

No information available.

CERCLA

This material, as supplied, does 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

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

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 1	Physical and Chemical Properties Yes
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 1	Personal protection B

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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 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