



LABORATORIES

Issue Date 30-Jul-2018

Revision Date 07-Nov-2019

Version 3

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

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)

Liquefied gas	
Reproductive Toxicity	Category 2
Eye irritation	Category 2A
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration hazard	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child. May be fatal if swallowed and enters airways.



Appearance Clear, colorless spray

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. Avoid breathing mist or vapor. Wash hands 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. If swallowed: immediately call a poison center or doctor. Do not induce vomiting. Do not eat, drink or smoke when using this product.

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 applicable.

This product contains the following percentage of chemicals of unknown toxicity: 0%.

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-Tetrafloroethane	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

Acute hazard - Eyes: redness, tearing and blurred vision. Inhalation: anesthetic, respiratory irritation. Oral: aspiration hazard, abdominal irritation, nausea, vomiting and diarrhea.
 Chronic hazard – May cause damage to the following organs: kidneys, liver, respiratory, and reproductive system.

Indication of any immediate medical attention and special treatment needed

Note to physician: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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. 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 with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Specific Methods

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

Hazardous Combustion Products

Oxides of carbon and hydrogen halides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to Section VIII for proper Personal Protective Equipment.

Methods and material for containment and cleaning up

Methods for containment and cleaning up

Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal.

Dispose of in accordance with federal, state and local regulations. Containers may be hazardous when empty.

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 Protect from sunlight. Pressurized container: Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Pressurized container. Do not pierce or burn, even after use. Store in well ventilated place. Do not expose temperatures exceeding 50°C/122°F. Keep out of reach of children.

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-Tetrafluoroethane (811-97-2)	Not Established	Not Established
Ethyl Alcohol (64-17-5)	1000 ppm	1000 ppm
Hexane (110-54-3)	500 ppm	500 ppm

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses.
- Skin and body protection** Wear chemical resistant gloves.
- Respiratory protection** Wear a NIOSH/MSHA 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. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol
Appearance Clear, colorless spray
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 excessive heat.

Hazardous Decomposition Products

Oxides of Carbon and Hydrogen Halides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eyes, Ingestion, Inhalation, Skin.

Product Information

Inhalation	Causes dizziness or drowsiness. Causes headaches, nausea, central nervous system depression, excessive or prolonged exposure may cause unconsciousness.
Eye contact	Causes eye irritation. This could result in redness and tearing.
Skin Contact	Causes irritation to the skin, which could include 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

Chemical Name	Dermal LD ₅₀	Oral LD ₅₀	Inhalation LC ₅₀
Hexane (110-54-3)	>2000 mg/kg (Rabbit)	>5000 mg/kg (Rat)	>3367 ppm / 4 hours (Rat)

Skin/Eye irritation	Causes skin irritation, redness and burning. Causes eye irritation, redness, tearing.
Sensitization	This product is not expected to cause skin sensitization.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Chronic hazards	May cause damage to the following organs: kidneys, liver, respiratory, and reproductive system.
Acute hazards	May cause redness, tearing and blurred vision. May cause anesthetic respiratory irritation if inhaled. May cause an aspiration hazard, abdominal irritation, nausea, vomiting or diarrhea, if swallowed.

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 federal, state and local laws and regulations. Containers may be hazardous when empty.
Local disposal regulations	Disposal should be in accordance with applicable federal, state and local rules and regulations.
US RCRA Status	Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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, Limited Quantity
Transport hazard class(es)	2.2
Packing group	Not applicable

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	Not applicable
-------------------------	----------------

15. REGULATORY INFORMATION

International Inventories

Listed: Yes* All component are listed or exempted.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory-Yes* All chemicals are listed or exempt.

*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

SARA 313 (TRI reporting)

1,2 Dichloroethylene (156-60-5).

SARA 311/312

None.

CERCLA

This material, as supplied, does not contain a substance regulated as a hazardous substance 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-CA Prop 65

This product can expose you to chemicals including n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties Yes
<u>HMIS</u>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection B

Issue Date 30-Jul-2018
 Revision Date 07-Nov-2019
 Revision Note Revisions

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