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 | Category 2 |
| Reproductive Toxicity | Category 2 |
| Eye irritation | Category 2A |

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trans,1,2 Dichloroethylene</td>
<td>156-60-5</td>
<td>7-13%</td>
<td>*</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td>811-97-2</td>
<td>30-60%</td>
<td>*</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>3-7%</td>
<td>*</td>
</tr>
<tr>
<td>Hexane</td>
<td>110-54-3</td>
<td>1-5%</td>
<td>*</td>
</tr>
</tbody>
</table>

*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).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trans,1,2 Dichloroethylene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(156-60-5)</td>
<td>200 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(811-97-2)</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(64-17-5)</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Hexane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(110-54-3)</td>
<td>500 ppm</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

Appropriate engineering controls
Use only outdoors or in well-ventilated area.

Individual protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Eye/face protection</th>
<th>Wear safety glasses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin and body protection</td>
<td>Wear chemical resistant gloves.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Wear a NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (Section 8) are exceeded.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Aerosol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless spray</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No Information available.</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.26 @ 25°C (77°F)</td>
<td></td>
</tr>
<tr>
<td>Percent volatile</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>No Information available.</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Information available.</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Boiling point and Boiling range</td>
<td>41°C (106°F)</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt;3 Fast.</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not considered a flammable aerosol.</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>261 mm HG@ 25°C (77°F)</td>
<td></td>
</tr>
</tbody>
</table>
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 gastrointestinal 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Dermal LD₅₀</th>
<th>Oral LD₅₀</th>
<th>Inhalation LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexane (110-54-3)</td>
<td>&gt;2000 mg/kg (Rabbit)</td>
<td>&gt;5000 mg/kg (Rat)</td>
<td>&gt;3367 ppm / 4 hours (Rat)</td>
</tr>
</tbody>
</table>

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 not 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

NFPA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
</tbody>
</table>

HMIS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical hazards</td>
<td>0</td>
</tr>
</tbody>
</table>

Physical and Chemical Properties
Yes
Personal protection
B

Issue Date
30-Jul-2018

Revision Date
07-Nov-2019

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