## 1. PRODUCT AND COMPANY IDENTIFICATION

### 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

### OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Category 2A</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Category 1</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Category 3</td>
</tr>
<tr>
<td>Dissolved Gas</td>
<td></td>
</tr>
</tbody>
</table>

### Emergency Overview

### Danger

**Hazard statements**
Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. May cause respiratory irritation, drowsiness or dizziness. May cause cancer. May be fatal if swallowed and enters airways.
Appearance Clear, yellow  
Physical state Aerosol  
Odor Solvent Scent

Prevention
Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. Avoid breathing gas. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing fumes, mist, vapors and spray. No smoking.

Response
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical attention. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Storage
Store in well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

Hazard(s) not otherwise classified (HNOC)
No information available.

### 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>Mineral Seal Oil</td>
<td>64741-44-2</td>
<td>5-10%</td>
<td>*</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1-5%</td>
<td>*</td>
</tr>
<tr>
<td>Tetrachloroethylene</td>
<td>127-18-4</td>
<td>60-85%</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**
Immediately wash with soap and water. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

**Eye contact**
 flush with water for at least 15 minutes. Remove contact lenses. Get medical attention if irritation persists.

**Inhalation**
Remove individual to fresh air. If breathing is difficult, administer oxygen. Seek immediate medical attention.
Ingestion
Rinse mouth with water. Do not induce vomiting unless direct by medical authority. Seek medical attention.

Most important symptoms and effects, both acute and delayed
Acute Health Hazards: Eyes: redness, tearing, blurred vision. Skin: Defatting and dermatitis. Inhalation: Irritation, Anesthetic, Central Nervous System. Oral: Abdominal irritation, nausea, vomiting and diarrhea. Aspiration risk. Chronic Health Hazards: Possible cancer-causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

Indication of any immediate medical attention and special treatment needed
Do not administer adrenaline or epinephrine to an individual of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Foam. Dry Chemical. Carbon Dioxide (CO₂).

Unsuitable extinguishing media
Water spray/stream.

Specific hazards arising from the chemical
Wear NiOSH and SCBA with a full face piece operated in a positive pressure demand mode with fully body protective clothing when fighting fires. Use water spray only to cool exposed containers. Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

Protective equipment and precautions for firefighters
Firefighters must use self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual Fire and Explosion Hazards
Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

Hazardous Combustion Products
Oxides of carbon, chlorine, hydrogen chloride and phosgene.

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
Use an absorbent material on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

Waste Disposal
Dispose of in accordance with federal, state and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

RCRA Status
Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however should be fully characterized prior to disposal (40CFR261).

7. HANDLING AND STORAGE

Precautions for safe handling
Advice on safe handling

Pressurized container: Do not pierce or burn, even after use. Use and store in well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F. 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 handle or store near flame, heat and sources of ignition. Avoid exposure to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area. Keep out of reach of children.

Incompatible materials

Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers and coatings.

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>Mineral Seal Oil</td>
<td>200 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Carbon Dioxide 124-38-9</td>
<td>5000 ppm</td>
<td>5000 ppm</td>
</tr>
<tr>
<td>Tetrachloroethylene 127-18-4</td>
<td>25 ppm</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

NIOSH IDLH  Immediately Dangerous to Life or Health

Engineering Controls

Material is heavier than air. Material may concentrate in low lying areas. Normal forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally recommended.

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 suitable protective clothing, which includes a synthetic apron.

Respiratory protection

Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

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 smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Aerosol.

Appearance: Clear, yellow aerosol spray

Color: Clear-yellow

Odor: Solvent Odor.

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No Information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.40-1.55@77°F (25°C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>No Information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Information available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>None estimated.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Boiling point/boiling range | 188°F (87°C)
Evaporation rate | Not determined
Flammability Limit – lower | Not considered a flammable aerosol or an extremely flammable aerosol (29CFR1910.1200).
Flammability Limit – upper | Not determined.
Vapor pressure | Not determined.
Vapor density | Not determined.
Relative density | Not determined.
Water Solubility | 0%
Partition coefficient (n-octanol/water) | Not determined.
Auto-ignition temperature | Not determined.
Decomposition temperature | Not determined.
Viscosity | Not determined.
VOC (weight %) | 0%

10. STABILITY AND REACTIVITY

Reactivity
Chemically active metals and acids.

Chemical stability
Material is stable at normal conditions.

Possibility of Hazardous Reactions
None known.

Conditions to avoid
Temperatures greater than 122°F may cause bursting.

Incompatible materials
Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers and coatings.

Hazardous Decomposition Products
Oxides of carbon, chlorine, hydrogen chloride and phosgene.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects and death.

Eye contact
Causes serious eye irritation, redness, tearing, pain visual disturbance, may cause eye damage.

Skin Contact
Irritation likely, pain and redness. May cause defatting, and with prolonged contact to skin, blistering may occur. May be absorbed through the skin.

Ingestion
Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting and abdominal cramps.

Symptoms related to the physical, chemical and toxicological characteristics
Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses or central nervous system.

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>Tetrachloroethylene (127-18-4)</td>
<td>-</td>
<td>2629 mg/kg (Rat)</td>
<td>4100 ppm 6 hours (Mouse)</td>
</tr>
<tr>
<td>Mineral Seal Oil (64741-44-2)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>5000 mg/kg (Rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

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

**Skin/Eye irritation**
- Defatting and dermatitis. Eyes: redness, tearing, blurred vision.

**Inhalation/Oral**
- Anesthetic, irritation, CNS depression. Oral: abdominal irritation, nausea, vomiting and diarrhea. Aspiration risk.

**Carcinogenicity**
- OSHA: Yes  
- ACGIH: A2-Suspected  
- NTP: 2-Anticipated  
- IARC: 2A-Probable  
- OTHER: CA Prop 65

**Acute health hazards**

**Chronic health hazards**
- Possible cancer-causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No information available.

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

**Bioaccumulation**
Components in this mixture can bioaccumulate in aquatic organisms.

**Soil Mobility**
This product is mobile in soil.

**Other ecological hazards**
This material is toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal Considerations**
Dispose of in accordance with federal, state, and local regulations. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**US RCRA Hazardous Waste**

**U List: Reference**
Waste likely considered U210 (Tetrachloroethylene) hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**Waste from residues/unused products**
Disposal should be in accordance with local, state and federal regulations.
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**

<table>
<thead>
<tr>
<th>UN/ID No.</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Aerosols, Ltd. Qty.</td>
</tr>
<tr>
<td>Hazard class(es)</td>
<td>2.2 (6.1)</td>
</tr>
<tr>
<td>Packaging group</td>
<td>No information available</td>
</tr>
</tbody>
</table>

**IATA**

<table>
<thead>
<tr>
<th>UN/ID No.</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1</td>
</tr>
<tr>
<td>Hazard class(es)</td>
<td>2.2(6.1)</td>
</tr>
<tr>
<td>Packaging group</td>
<td>III</td>
</tr>
</tbody>
</table>

**IMDG**

<table>
<thead>
<tr>
<th>UN/ID No.</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Aerosols, Toxic</td>
</tr>
<tr>
<td>Hazard class(es)</td>
<td>2.2 (6.1)</td>
</tr>
<tr>
<td>Packaging group</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Environmental hazards: Marine Pollutant

15. REGULATORY INFORMATION

**International Inventories**

No information available.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory · Yes

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Tetrachloroethylene (127-18-4).

**SARA 311/312 Hazard Categories**

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

**SARA 304 Emergency release notification**

Not information available.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

This material does contain substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40CFR302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR355). Tetrachloroethylene (127-18-4) Reportable Quantity=100 lbs.

**US State Regulations**

**California Proposition 65**

This product contains a chemical (Tetrachloroethylene, 127-18-4) known to the State of California to cause cancer.
16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
<th>Special hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>C</td>
<td>None</td>
</tr>
</tbody>
</table>

Issue Date: 10-Jul-2017
Revision Date: 20-Mar-2020
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