1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 176 TOTAL RELEASE Dry Fog ULD Insect Fogger

Other means of identification
SDS# UNITED-176

Recommended use of the chemical
And restrictions on use
Recommended use Total Release Insect Fogger
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
Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone 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)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable aerosols</td>
<td>Category 2</td>
</tr>
<tr>
<td>Liquefied gas</td>
<td></td>
</tr>
<tr>
<td>Eye irritant</td>
<td>Category 2b</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview

Danger

Hazard statements
Flammable aerosol. Contains gas under pressure; may explode if heated. Causes eye irritation. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: 0%.
Appearance  Off White Liquid  Physical state  Aerosol  Odor  Slight

Prevention
Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Response
Pressurized container: Do not pierce or burn, even after use.

Storage
Store in a 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/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
Not classified,

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>Propane/n-Butane</td>
<td>68476-86-8</td>
<td>15-40</td>
<td>*</td>
</tr>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>64742-47-8</td>
<td>3-7</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 for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

Eye contact
Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention.

Inhalation
Remove to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seems irregular seek immediate medical attention.

Ingestion
Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Acute/Chronic
Acute health hazards include eyes, with redness, tearing and blurred vision. Chronic health hazards include, concentrating vapors and inhaling material can lead to oxygen deprivation, loss of brain function and potential loss of life.

Note to Physician
There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical powder. Alcohol or alcohol-resistant foam or carbon dioxide. Water may be ineffective.

Unsuitable extinguishing media
Water spray/stream

Specific hazards arising from the chemical
Keep away from heat/sparks/open flames/hot surfaces-no smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters
Wear self-contained breathing apparatus with a full face piece operated in a positive pressure-demand, NIOSH approved and full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

Hazardous Combustion Products
Oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Put on appropriate personal protective equipment (see Section 8).

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

Methods and material for containment and cleaning up
Clean up with non-combustible material like vermiculite, sand or earth. If many cans are opened remove ignition sources. Prevent spill from entering sewers, storm drains, and natural waterways. Dispose of in accordance with federal, state and local regulations. Containers may be hazardous when empty.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Conditions for safe storage, including any incompatibilities

Storage Conditions
Do not use or store near heat or open flame. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

Incompatible materials
Some plastics and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>400 ppm</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Propane/n-Butane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health
**Appropriate engineering controls**

Engineering Controls
Normal, forced ventilation required. Local exhaust ventilation is generally preferred.

**Individual protection measures, such as personal protective equipment**

Eye/face protection
Safety glasses.

Skin and body protection
Chemical resistant gloves.

Respiratory protection
Not required with normal use.

General Hygiene
Wash hands before and after eating, drinking, smoking or using toilet.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Off White Spray</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Off White</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic order</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>8.60</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>.965</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>93 °C / &gt;200 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Flammable aerosol</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</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>&lt;17.5 @ 77°F (25°C)</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>&lt;6</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>55%</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Volatility including water</td>
<td>85%</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>35%</td>
<td></td>
</tr>
</tbody>
</table>

---

### 10. STABILITY AND REACTIVITY

**Reactivity**
None known.

**Chemical stability**
Stable under normal conditions.

**Possibility of Hazardous Reactions**
None known.
Conditions to avoid
Temperatures greater than 122°F and sources of ignition.

Hazardous Decomposition Products
Oxides of carbon.

Incompatibility
Some plastics and strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation
Causes dizziness if inhaled directly or exposed to excessive amounts.

Eye contact
Causes irritation, redness, tearing.

Skin Contact
May cause mild irritation, localized defatting.

Ingestion
May cause nausea, diarrhea, vomiting.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isoparaffinic Hydrocarbon</td>
<td>5 mg/kg</td>
<td>2 g/kg</td>
<td>5 mg/L, 4 hours</td>
</tr>
<tr>
<td>64742-47-8</td>
<td>(Rat)</td>
<td>(Rabbit)</td>
<td>(Rat)</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
Excessive exposure will aggravate respiratory cardiovascular or pulmonary illnesses.

Delayed and immediate effects as well as acute / chronic effects from short and long-term exposure

Sensitization
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
OSHA: No  ACGIH: No  NTP: No  IARC: No

Eye irritation
May cause eye irritation.

Reproductive toxicity
No Information available.

Respiratory sensitization
No information available.

Acute effects
Eyes: redness, tearing, blurred vision.

Chronic effects
Concentrating vapors and inhaling material can lead to oxygen deprivation, loss of brain function and potential loss of life.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Isoparaffinic Hydrocarbon (64742-47-8), not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms.

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 adverse effects
No Information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste disposal** Dispose of in accordance with federal, state, national, international regulations. Containers may be hazardous when empty.

**RCRA Status** Waste likely considered non-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, Ltd. Qty.
- **Transport hazard Class** 2.1
- **Packaging group** No information available.

**IATA**

- **UN/ID No.** UN1950
- **Proper shipping name** Aerosols, Ltd. Qty.
- **Transport hazard class** 2.1

**IMDG**

- **UN/ID No.** UN1950
- **Proper shipping name** Aerosols, Ltd. Qty.
- **Hazard Class** 2.1
- **Environmental Class** Marine Pollutant No

### 15. REGULATORY INFORMATION

**International Inventories**

- **TSCA** Complies
- **DSL/NDSL** Complies

**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**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

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

CERCLA
This material, as supplied, does not contain any substances regulated as 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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

FIFRA Information
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label also includes other important information, including directions for use. CAUTION: Harmful if swallowed or absorbed through skin. Do not breathe vapors or spray mist. Breathing spray mist may be harmful. Avoid contact with skin and eyes. In case of contact, flush with plenty of water. Wash with soap and water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs. Do not use in commercial food/feed handling establishments, restaurants or other areas where food is commercially prepared, processed or served. Highly Flammable Ingredient. Contents under pressure. Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Extremely flammable. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Direction For Use" on this label very carefully. EPA Reg. No. 44446-50.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>A</td>
</tr>
</tbody>
</table>

Issue Date 11-Apr-2015
Revision Date 31-August-2015

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