UNITED LABORATORIES

Safety Data Sheet

Issue Date 11-Apr-2015 **Revision Date** 31-August-2015 **Version** 1

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)

Flammable aerosols	Category 2
Liquefied gas	
Eye irritant	Category 2b
Aspiration hazard	Category 1

Label elements

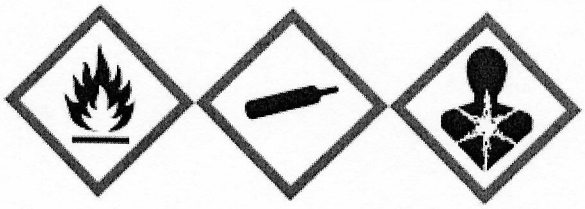
Emergency Overview

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

Chemical Name	CAS No.	Weight-%	Trade Secret
Propane/n-Butane	68476-86-8	15-40	*
Isoparaffinic Hydrocarbon	64742-47-8	3-7	*

*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 Keep away from heat/sparks/open flames/hot surfaces – No smoking. Protect from sunlight. Store in well-ventilated place. Keep out of reach of children.

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

Chemical Name	OSHA PEL	ACGIH TLV
Isoparaffinic Hydrocarbon	400 ppm	400 ppm
Propane/n-Butane	1000 ppm	1000 ppm

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. .

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Off White Spray
Color	Off White
Odor	Characteristic order
Odor threshold	No Information available

Property	Values	Remarks • Method
pH	8.60	
Specific Gravity	.965	
Viscosity	No information available	
Melting point/freezing point	No Information available	
Flash point	93 °C / >200 °F	
Boiling point / boiling range	450	
Viscosity	No information available	
Evaporation rate	<1	
Flammability (solid, gas)	Flammable aerosol	
Flammability Limits in Air	No information available	
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	<17.5 @ 77°F (25°C)	
Vapor density	<6	
Water solubility	55%	
Partition coefficient	No Information available	
Autoignition temperature	No Information available	
Decomposition temperature	No Information available	
Volatility including water	85%	
VOC Content (%)	35%	

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.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isoparaffinic Hydrocarbon 64742-47-8	5 mg/kg (Rat)	2 g/kg (Rabbit)	5 mg/L, 4 hours (Rat)

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. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment wash waters.

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

NFPA	**Health hazards** 1	**Flammability** 2	**Reactivity** 1	**Physical and Chemical Properties** None
HMIS	**Health hazards** 1	**Flammability** 2	**Reactivity** 1	**Personal protection** A

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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