

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 113 GLACIER BREAK

Other means of identification

SDS# UNITED 113

Recommended use of the chemical

And restrictions on use

Quick Release Lubricant

Recommended use

For institutional and industrial use only.

Uses Advised Against

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

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)

Flammable Aerosol	Category 2
Liquefied Gas	

Label elements

Emergency Overview

Warning

Hazard statements

Flammable aerosol. Contains gas under pressure; may explode if heated. This product contains the following percentage of chemicals of unknown toxicity: 0%.



Appearance Clear

Physical state Aerosol

Odor Solvent

Prevention

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

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 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 easy to do so. Continue rinsing. If eye irritation persists: Get medical attention /advice. Call a poison control center if you feel unwell. .

Storage

Store in well-ventilated place. Keep container tightly closed. Store Locked up. 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)

No information available.

Environmental hazards

No information available.

Supplemental information

Hazard statement

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
1, 1-Difluoroethane	75-37-6	60-100	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Skin Contact

Wash with plenty of water. If skin irritation or rash occurs: Get medical attention.

Eye contact

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.

Inhalation Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

Ingestion Do not induce vomiting unless directed by medical authority. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Oral: abdominal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

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. Foam. Carbon Dioxide (CO₂).

Unsuitable extinguishing media Water spray/stream.

Specific hazards arising from the chemical
Wear NIOSH approved SCBA with a full piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

General fire hazards
Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters
Firefighters must use self-contained breathing apparatus and full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Hazardous Combustion Products
Oxides of carbon.

Specific Methods
Use standard firefighting procedures.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary personnel away. Refer to Section 8 for proper Personal Protective Equipment.

Environmental precautions

Environmental precautions None Known.

RCRA Status Waste likely considered hazardous waste U161 (Methyl Isobutyl Ketone), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

Methods and material for containment and cleaning up

Methods for containment And cleaning up Wipe up with rag or use some non-combustible material like vermiculite, sand or earth. Dispose of in accordance with federal, state, and local regulations. Containers may be hazardous when empty. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Pressurized container: Do not pierce or burn, even after use. Observe good industrial hygiene practices. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Pressurized container. Do not puncture, incinerate or crush. Avoid exposure to direct sunlight, exceeding 50°C/122°F. Store in well-ventilated area.

Incompatible materials Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No Exposure limits noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1, 1-Difluoroethane	-	-	-

NIOSH IDLH Immediately Dangerous to Life or Health

Biological limited values

No information available.

Appropriate engineering controls

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 preferred.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses.
- Skin and body protection** Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.
- Respiratory protection** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

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.
Color Clear Liquid.
Odor Solvent Odor.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No Information available.	
Specific Gravity	0.92 @ 77°F (25°C)	

Odor threshold	0.68ppm
Viscosity	No Information available.
Melting point/freezing point	No Information available.
Flash point	>60°F (16°C)
Boiling point/boiling range	<-20°F
Evaporation rate	>1.6
Flammability	Extremely flammable aerosol
Flammability Limit – lower	No information available.
Flammability Limit – upper	No information available.
Vapor pressure	No information available.
Vapor density	>2
Relative density	No information available.
Water Solubility	<1%
Partition coefficient (n-octanol/water)	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Volatile including water	97%
Viscosity	No information available.
VOC (weight %)	4.5%

10. STABILITY AND REACTIVITY

Reactivity

Strong oxidizers.

Chemical stability

Material is stable at normal conditions.

Possibility of Hazardous Reactions

None Known.

Conditions to avoid

Contact with incompatible materials. Avoid temperatures greater than 122°F, may cause bursting.

Incompatible materials

Strong oxidizers.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eyes, Ingestion, Inhalation and Skin.

Product Information

Inhalation Causes dizziness, Anaesthetic effects, central nervous system depression and narcosis.

Eye contact Causes eye irritation, redness and tearing.

Skin Contact Brief contact is not irritating. May cause irritation, localized defatting, redness, itching with prolonged or repeated contact. Can be absorbed through the skin with prolonged and widespread contact.

Ingestion	Causes gastrointestinal irritation, nausea, vomiting and abdominal cramps.
Symptoms related to the physical, chemical and toxicological characteristics	Eye irritation. Symptoms may include redness, blurred vision and tearing. Skin: Defatting and dermatitis. Oral: Abdominal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Acute toxicity	Anaesthetic effects, central nervous system depression and narcosis.
Skin/Eye irritation	May cause skin defatting and dermatitis. May cause redness, tearing or blurred vision in the eyes
Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, OSHA, NTP and ACGIH.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No Information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
This product is not classified as environmentally hazardous.

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 are expected from this component.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Considerations	Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
US RCRA Hazardous Waste U List: Reference	Waste likely considered hazardous waste U161 (Methyl Isobutyl Ketone), under RCRA, however product should be fully characterized prior to disposal (40 VFR 261).
Waste from residues/unused Products	Disposal should be in accordance with local regulations. (See disposal instructions).

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 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

<u>DOT</u>	
UN/ID No.	UN1950

Proper shipping name Aerosols, Ltd., Qty.
Labels required 2.1
Packaging exceptions No information available.

IATA

UN/ID No. UN1950
UN proper shipping name Aerosols, Ltd., Qty.
Transport hazard class(es) 2.1

IMDG

UN/ID No. UN1950
Proper shipping name Aerosols. Ltd., Qty.
Transport hazard Class(es) 2.1

Environmental Class No information available.

15. REGULATORY INFORMATION

International Inventories

All components are listed/exempted.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory - Yes all chemicals listed.
DSL/NDSL - Canadian Domestic Substances List – Yes Non-Domestic Substances List - No

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 or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. (Methyl Isobutyl Ketone – 108-10-1).

SARA 311/312 Hazard Categories

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

CERCLA Hazardous Substance List (40 CFR 302.4)

Methyl Isobutyl Ketone (108-10-1) Reportable Quantity=5,000 lbs.

US State Regulations

This product contains a chemical known to the state of California to cause birth defects or other reproductive harm or cancer.

California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer. Methyl Isobutyl Ketone (108-10-1).

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 1	Flammability 3	Physical hazards 1	Physical/Chemical Properties N/A
<u>HMIS</u>	Health hazards 1	Flammability 3	Physical hazards 1	Personal protection A

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End of Safety Data Sheet