

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
Eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3 Narcotic Effects

Label elements**Emergency Overview****Warning****Hazard statements**

Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause respiratory irritation. This product contains the following percentage of chemicals of unknown toxicity: 0%.

**Appearance** Clear**Physical state** Aerosol**Odor** Faint 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.

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	*
Methyl Isobutyl Ketone	108-10-1	3-7	*
Tall Oil Fatty Acids	108-94-1	1-5	

*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 all contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

<u>Eye contact</u>	Immediately flush eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention or advice.
<u>Inhalation</u>	Remove individual 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.
<u>Ingestion</u>	Do not induce vomiting unless directed by medical authority. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Anaesthetic effects, Central nervous system depression, narcosis.

Indication of any immediate medical attention and special treatment needed

Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, that may be used in situations of emergency life support should be used with special precaution.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry Chemical.

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 body protective clothing must be worn in case of fire.

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.

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 Store away from incompatible materials. Strong oxidizers. (See Section 10 of the SDS).

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	-	-	-
Methyl Isobutyl Ketone	200 ppm	100 ppm	-
Tall Oil Fatty Acids	10mg/m3	15 mg/m3	-

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** None known.
- 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	0.92estimated.
Viscosity	No Information available.
Melting point/freezing point	No Information available.
Flash point	>60°F (16°C)
Boiling point/boiling range	186.8°F (86°C)
Evaporation rate	>1.6
Flammability	Extremely flammable aerosol
Flammability Limit – lower	No information available.
Flammability Limit – upper	No information available.
Vapor pressure	124 psig
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 %)	4.7%

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 and tearing. May cause central nervous system depression effects.

Information on toxicological effects

Acute toxicity	Anaesthetic effects, central nervous system depression and narcosis.
Skin/Eye irritation	May cause eye irritation.
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. Containers may be hazardous when empty.
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.

DOT

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	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA Hazardous Substance List (40 CFR 302.4)

Fire Hazard.

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.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Pennsylvania
1, 1 Difluoroethane 75-37-6	X	-
Methyl Isobutyl Ketone 108-10-1	X	x

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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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