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)

<table>
<thead>
<tr>
<th>Flammable Aerosol</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquefied Gas</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 1-Difluoroethane</td>
<td>75-37-6</td>
<td>60-100</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
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**

**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).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 1-Difluoroethane</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

<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>Clear.</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear Liquid.</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent Odor.</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No Information available.</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.92 @ 77°F (25°C)</td>
<td></td>
</tr>
</tbody>
</table>
Odor threshold: 0.68 ppm
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

Symptoms related to the physical, chemical and toxicological characteristics

Causes gastrointestinal irritation, nausea, vomiting and abdominal cramps.

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.

DOT

UN/ID No. UN1950
### Proper shipping name
Aerosols, Ltd., Qty.

### Labels required
2.1

### Packaging exceptions
No information available.

### IATA

<table>
<thead>
<tr>
<th>UN/ID No.</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Aerosols, Ltd., Qty.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</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. Ltd., Qty.</td>
</tr>
<tr>
<td>Transport hazard Class(es)</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### 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**

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

**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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards 1</th>
<th>Flammability 3</th>
<th>Physical hazards 1</th>
<th>Physical/Chemical Properties N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health hazards 1</td>
<td>Flammability 3</td>
<td>Physical hazards 1</td>
<td>Personal protection A</td>
</tr>
</tbody>
</table>

Issue Date 06-Jul-2015
Revision Date 19-Sep-2017

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