

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1708	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	CHILL OUT	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Rapid Freezing Penetrant Lubricant	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable Aerosol: Category 2 Liquefied Gas	SIGNAL WORD: WARNING	SYMBOL:		
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HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS:

Prevention: Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
1,1-Difluoroethane	75-37-6	60-100%

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

SKIN: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: 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 immediate medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Acute Health Hazards:

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

Oral: Abdominal irritation, nausea, vomiting and diarrhea.

Chronic Health Hazards: None known

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

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 FIRE EXTINGUISHING MEDIA:

Dry chemical, foam or carbon dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Oxides of carbon.

SPECIAL EQUIPMENT FOR FIREFIGHTERS:

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to Section 8 for proper Personal Protective Equipment.

ENVIRONMENTAL PRECAUTIONS & CLEANUP METHODS:

SPILL: Clean up with rag or use some noncombustible material like vermiculite, sand or earth.

Dispose of in accordance with federal, state and local regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

7. Handling and Storage

HANDLING AND STORAGE:

Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up. Flammable vapors may collect in low lying areas.

INCOMPATIBILITIES:

Strong oxidizers.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT

1,1-Difluoroethane

OSHA PEL

Not established

ACGIH TLV

Not established

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses.

Respiratory Protection: Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (Section 8) are exceeded.

General Hygiene Considerations: Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.

APPROPRIATE 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.

9. Physical & Chemical Properties

Appearance:	Clear, colorless aerosol.	Flammability(solid/gas):	Extremely flammable aerosol.
Odor:	Solvent odor.	Flammability Limit-lower (%):	Not determined.
Odor Threshold:	0.68 ppm.	Flammability Limit-upper (%):	Not determined.
pH:	Not available.	Vapor Density (AIR=1):	>2
Melting/Freezing Point:	Not determined.	Vapor Pressure (mm Hg):	Not determined.
Boiling Point/Range:	< -20°F	Solubility (water):	<1%
Viscosity:	Not determined.	Auto-Ignition Temp:	Not determined.
Flash Point:	> 60°F (16°C)	Decomposition Temp:	Not determined.
Specific Gravity (H₂O=1):	0.92 @ 77°F (25°C)	Partition Coeff(n-octanol/water):	Not determined.
Evaporation Rate:	>1.6	VOC:	4.5%

10. Stability & Reactivity Information

REACTIVITY:

Strong oxidizers.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F may cause bursting.

INCOMPATIBLE MATERIALS:

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Not established.

PRIMARY ROUTE OF ENTRY: Eyes, Ingestion, Inhalation, Skin

Eyes: Causes irritation, redness, tearing.

Skin: 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.

Inhalation: Causes dizziness, Anesthetic effects, Central nervous system depression and Narcosis

Ingestion: Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps.

ACUTE TOXICITY:

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

CARCINOGENICITY:

OSHA: No ACGIH: No NTP: No IARC: No OTHER: CA Prop 65

MEDICAL CONDITION AGGRAVATED:

None known.

CHRONIC EFFECTS:

None known.

12. Ecological Information

ECOTOXICITY:

Not established.

BIODEGRADABILITY:

Component or components of this product are not biodegradable.

BIOACCUMULATIVE POTENTIAL:

This product is not expected to bioaccumulate.

MOBILITY IN SOIL:

This product is mobile in soil.

OTHER ADVERSE EFFECTS:

None known.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

Dispose of in accordance with federal, state and local regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

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).

14. Transportation Information

DOT: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):

Class: 2.1

Packing Group: Not applicable.

IATA: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):

Class: 2.1

Packing Group: Not applicable.

IMDG: UN Number: UN1950
UN Proper Shipping Name: Aerosols, Ltd. Qty.
Transport Hazard Class(es):

Class: 2.1

Packing Group: Not applicable.

Environmental Hazards Water: Not applicable.

15. Regulatory Information

US FEDERAL REGULATIONS:

TSCA Status: All chemicals are listed or exempt.

CERCLA Hazardous Substance List (40 CFR 302.4):

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

SARA 311/312 Hazard Categories: Acute Health, Chronic Health, Fire Hazard

SARA 313 Reportable Ingredients: Methyl Isobutyl Ketone (108-10-1)

STATE REGULATIONS:

CA Prop 65: This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm:

Methyl Isobutyl Ketone (108-10-1)

INTERNATIONAL REGULATIONS:

All components are listed or exempted.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.