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:	**SIGNAL WORD:**	**SYMBOL:**		
Aerosol: Category 2	**WARNING**			

HAZARD STATEMENT(S): WARNING: Flammable aerosol. Pressurized container: may burst if heated**.**
This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Flammable aerosol. Pressurized container: may burst if heated. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No Smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn even after use. Protect from sunlight. Do not expose to temperature exceeding 50°C/ 122°F.

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

3. Composition / Information on Ingredients

Hazardous Ingredient	CAS	Concentration % by Weight
1,1-Difluoroethane	75-37-6	70-80%

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Continue rinsing as needed. Seek medical attention if irritation develops.

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.

ACUTE HEALTH HAZARDS: None known.

CHRONIC HEALTH HAZARDS: None known.

NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA:
Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.

UNSUITABLE EXTINGUISHING MEDIA:
Water jets or streams which may spread flames.

SPECIAL FIRE FIGHTING PROCEDURES:
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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
FLAMMABLE. Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

HAZARDOUS COMBUSTION PRODUCTS:
Oxides of carbon, fluorinated hydrocarbons and hydrogen fluoride.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:
Refer to Section 8 for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal.

WASTE DISPOSAL:

Dispose of in accordance with local, state and federal 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).

7. Handling and Storage

HANDLING AND STORAGE:

Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.

OTHER PRECAUTIONS:

Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health. Flammable vapors may collect in low lying areas.

INCOMPATIBILITY:

Strong oxidizing agents.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1,1-Difluoroethane	Not established	Not established

ENGINEERING CONTROLS / VENTILATION: Local ventilation/exhaust preferred.

RESPIRATORY PROTECTION: Not required with normal use. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles.

ADDITIONAL MEASURES: Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.

9. Physical & Chemical Properties

Appearance:	Clear, colorless spray.	**Flammability(solid/gas):**	Flammable aerosol.
Odor:	Solvent.	**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:**	
Odor Threshold:	Not determined.	**Flammability Limit-lower:**	Not determined.
pH:	Not applicable.	**Flammability Limit-upper:**	Not determined.
Melting/Freezing Point:	Not determined.	**Explosive Limit-lower (%):**	Not determined.
Initial Boiling Point/Range:	> 35℃	**Explosive Limit-upper (%):**	Not determined.
Flash Point:	> 15°C	**Vapor Pressure (mm Hg):**	Not determined.
Evaporation Rate:	>1.6	**Vapor Density (AIR=1):**	>2
Auto-Ignition Temperature:	Not determined.	**Relative Density (H2O=1):**	0.92 @ 77°F (25°C).
Decomposition Temperature:	Not determined.	**Solubility(ies):**	<1% in water.
Viscosity:	Not determined.	**Partition Coefficient: (n-octanol/water (Kow):**	Not determined.

10. Stability & Reactivity Information

REACTIVITY:

This product may react with oxidizing agents.

CHEMICAL STABILITY:

Stable under normal storage conditions.

POSSIBLE HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F and sources of ignition. Avoid incompatible materials.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon. Formaldehyde.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

1,1-Difluoroethane (75-37-6): LC50 (Inhalation, Rat, 4h) > 437500 ppm.

ROUTES OF ENTRY: Eyes, Inhalation, Skin

EYES: May cause irritation, redness, tearing.

INGESTION:

Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting, abdominal cramps.

INHALATION:

Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness and death from asphyxiation depending upon concentration and time of exposure.

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.

MEDICAL CONDITION AGGRAVATED: None known.

ACUTE HEALTH HAZARDS:
May cause defatting and dermatitis of the skin. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation, drowsiness or dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: None known.
CARCINOGENICITY: OSHA: NO **ACGIH:** NO **NTP:** NO **IARC:** NO **OTHER:** CA PROP 65

12. Ecological Information

ECOTOXICITY:
1,1-Difluoroethane (75-37-6): LC50 (Fish, 96h) 295.78 mg/L; EC50 (Daphnia, 48h) 146.7 mg/L; EC50 (Algae, 96h) 47.76 mg/L.
PERSISTENCE AND DEGRADABILITY:
Component or components of this product are not biodegradable.
BIOACCUMULATIVE POTENTIAL:
Components in this mixture can bioaccumulate in aquatic organisms.
MOBILITY IN SOIL:
This product is mobile in soil.
OTHER ADVERSE EFFECTS:
None known.

13. Disposal Consideration

WASTE DISPOSAL:
Dispose of in accordance with local, state and federal 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, flammable.
Transport Hazard Class(es):
Class: 2.1
Packing Group: Not applicable.
IMDG: **UN Number: UN Number:** UN1950
UN Proper Shipping Name: Aerosols.
Transport Hazard Class(es):
Class: 2.1
Packing Group: Not applicable.
Environmental Hazards Water: Not applicable.

15. Regulatory Information

TSCA STATUS: All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
Methyl isobutyl ketone (108-10-1) Reportable Quantity = 5000 pounds.
SARA 311/312 HAZARD CATEGORIES: Physical hazards
SARA 313 REPORTABLE INGREDIENTS: Methyl isobutyl ketone (108-10-1).
CLEAN WATER ACT: None.
STATE REGULATIONS:
California Proposition 65: WARNING: This product can expose you to chemicals including Methyl Isobutyl Ketone (MIBK), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
Methyl isobutyl ketone (108-10-1): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA, RI.
INTERNATIONAL REGULATIONS: No information available.
VOLATILE ORGANIC COMPOUNDS (VOC): 4.5%

16. Other Information

N/A = Not Applicable; N/D = Not Determined
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.