






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1708	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	CHILL OUT	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	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 Eye Irritant: Category 2A Specific Target Organ Toxicity (Single Exposure): Category 3	SIGNAL WORD: WARNING	SYMBOL:			
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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%.

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.
Wash hands thoroughly after handling. Wear protective gloves and eye protection.

Response:

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 attention.
Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
Storage: Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.
Disposal: Dispose of contents and container in accordance with local, state, and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not available.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
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

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: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. 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.

INGESTION:

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

ACUTE HEALTH HAZARDS:

Anesthetic effects, central nervous system depression, narcosis.

CHRONIC HEALTH HAZARDS:

None known.

NOTE TO PHYSICIAN:

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 caution.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water spray/stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:

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.

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

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.

OTHER PRECAUTIONS:

Flammable vapors may collect in low-lying areas.

INCOMPATIBILITY:

Strong oxidizers.

8. Exposure Controls / Personal Protection

CHEMICAL NAME	ACGIH TLV	OSHA PEL
1,1-Difluoroethane	N/A	N/A
Methyl Isobutyl Ketone	200 ppm	100 ppm
Tall Oil Fatty Acids	10 mg/m ³	15 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: Safety glasses.

SKIN 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.

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:	Extremely flammable aerosol.
ODOR:	Solvent odor.	Flammability Limit-lower (%):	Not determined.
ODOR THRESHOLD:	0.68 ppm	Flammability Limit-upper (%):	Not determined.
pH:	Not applicable.	EVAPORATION RATE:	>1.6
BOILING POINT:	< -20°F	DIELECTRIC STRENGTH (volts):	Not determined.
FREEZING POINT:	Not determined.	VAPOR PRESSURE(mm Hg):	Not determined.
PARTITION COEFFICIENT: n-octanol/water (Kow):	Not determined.	VAPOR DENSITY(AIR=1):	>2
VOC:	4.7%	VOLATILITY (including water):	97%
SPECIFIC GRAVITY:	0.92	SOLUBILITY (water):	< 1%
SOLIDS (%):	Not determined.	AUTO-IGNITION TEMP:	Not determined.
VISCOSITY:	Not determined.	DECOMPOSITION TEMP:	Not determined.
		FLASH POINT:	> 60°F (16°C)

10. Stability & Reactivity Information**REACTIVITY:**

Strong oxidizers.

CHEMICAL STABILITY:

Stable.

INCOMPATIBLE MATERIALS:

Strong oxidizers.

CONDITIONS TO AVOID:

Temperatures greater than 122°F may cause bursting.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Oxides of carbon.

POSSIBLE HAZARDOUS REACTIONS:

None known.

11. Toxicological Information**TOXICOLOGICAL INFORMATION:**

Not established.

PRIMARY ROUTE OF ENTRY:

Eyes, ingestion, inhalation, skin.

ACUTE/POTENTIAL HEALTH EFFECTS:

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, and abdominal cramps.

MEDICAL CONDITION AGGRAVATED:

None known.

ACUTE HEALTH HAZARDS:

Anesthetic effects, central nervous system depression, narcosis.

CHRONIC/LONG TERM EFFECTS:

None known.

CARCINOGENIC INFORMATION:

OSHA: No.

ACGIH: No.

NTP: No.

IARC: No.

OTHER: N/A.

12. Ecological Information

ECOLOGICAL INFORMATION:

Not established.

BIODEGRADABILITY:

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 ECOLOGICAL HAZARDS:

None known.

13. Disposal Consideration

Dispose of in accordance with federal, state, and local regulations. Containers may be hazardous when empty.

14. Transportation Information

DOT: **PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: N/A

15. Regulatory Information

TSCA STATUS:

All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Fire hazard.

SARA 311/312 HAZARD CATEGORIES:

Fire hazard.

SARA 313 REPORTABLE INGREDIENTS:

Methyl Isobutyl Ketone 108-10-1.

STATE REGULATIONS:

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

INTERNATIONAL REGULATIONS:

All components are listed or exempted.

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).

16. Other Information

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

NFPA	Health Hazards: 1	Flammability: 3	Instability: 1	Physical & Chemical Properties: None.
HMIS	Health Hazards: 1	Flammability: 3	Physical hazards: 1	Personal protection: A

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

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