

SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	1080301	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ICE ERASER PLUS	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Frost & Ice Remover	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification					
CLASSIFICATION: Aerosols: Category 1 Acute Toxicity, Oral: Category 3 Acute Toxicity, Dermal: Category 3 Acute Toxicity, Inhalation: Category 3 Specific Target Organ Toxicity (Single Exposure): Category 1	SIGNAL WORD: DANGER	SYMBOL:			
HAZARD STATEMENTS: Extremely Flammable Aerosol. Pressurized container: May burst if heated. Toxic if swallowed, in contact with skin, and if inhaled. This product contains the following percentage of chemicals of unknown toxicity: N/A					
PRECAUTIONARY STATEMENTS: 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. Store in a well-ventilated place. Wear protective gloves and protective clothing. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Do not breathe fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth. IF ON SKIN: Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed: Call a poison control center or doctor. Dispose of contents and container in accordance with local, state, and federal regulations.					
HAZARDS NOT OTHERWISE SPECIFIED: N/A					

3. Composition / Information on Ingredients		
Chemical Name	CAS	Concentration % by Weight
Methanol	67-56-1	80-100%
Carbon Dioxide	124-38-9	1-5%
Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.		

4. First Aid Measures	
EYES:	Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention.
INGESTION:	Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
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.
SKIN:	Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
ACUTE HEALTH HAZARDS: Inhalation of vapors may be narcotic and can be fatal. Ingestion of liquid will cause gastrointestinal distress, irritation, possibly nausea, and can be fatal. Liquid or vapors may be irritating to skin and eyes.	
CHRONIC HEALTH HAZARDS: May cause damage to the following: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). May cause damage to skin, lungs, respiratory and gastrointestinal tract.	
NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition. Effects may be delayed. Ethanol may inhibit methanol metabolism.	

5. Fire-Fighting Measures	
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, and water spray or fog.	
UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.	
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. Avoid contact with skin and breathing smoke, fumes and decomposition products. Cool fire exposed containers with water fog to prevent bursting.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Vapors heavier than air will settle in low lying areas and may travel to source of ignition and flash back. Keep away from heat, sparks, open flames and other sources of ignition.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, various hydrocarbons.	

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal. U.S. regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free number for the U.S. Coast Guard National Response Center is 800-424-8802.

WASTE DISPOSAL:

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

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), 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. Do not pierce or burn, even after use. Store in a cool, dry area.

OTHER PRECAUTIONS:

Keep out of the reach of children. Do not ingest. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Vapors may collect in low lying areas. 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.

INCOMPATIBILITY:

Strong acids, strong alkalis, strong oxidizing agents.

8. Exposure Controls / Personal Protection

BIOLOGICAL LIMIT VALUES:

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Methanol	200 ppm	200 ppm
Carbon Dioxide	5000 ppm	5000 ppm

ENGINEERING CONTROLS / VENTILATION:

General ventilation and local exhaust should be adequate.

RESPIRATORY PROTECTION:

Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT:

Safety glasses and chemical resistant gloves.

ADDITIONAL MEASURES:

Wash hands thoroughly after handling. Do not breathe vapors. Do not eat, drink, or smoke while using product. Get medical attention if you feel unwell.

9. Physical & Chemical Properties

Appearance:	Clear, Colorless Aerosol	Upper/Lower Flammability or Explosive Limits:	
Odor:	Alcohol	Lower Flammability Limit:	N/D
Odor Threshold:	N/D	Upper Flammability Limit:	N/D
pH:	N/A	Explosive Limit Lower (%):	N/D
Melting Point/Freezing Point:	N/D	Explosive Limit Upper (%):	N/D
Initial Boiling Point and Boiling Range:	> 82.3°C (180.1°F)	Vapor Pressure (mm Hg):	N/D
Flash Point:	>12°C (53.6°F)	Vapor Density (AIR=1):	N/D
Viscosity:	Not determined	Relative Density (H2O=1):	0.802 - 0.833 @ 77 °F (25 °C)
Evaporation Rate:	N/D	Solubility (ies):	N/D
Flammability(solid/gas):	Extremely Flammable Aerosol	Partition Coeff(n-octanol/water) (KOW):	N/D
Viscosity:	N/D	Auto-Ignition Temp:	N/D
		Decomposition Temp:	N/D

10. Stability & Reactivity Information

REACTIVITY:

None known.

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 incompatibles.

INCOMPATIBLE MATERIALS:

Strong acids, strong alkalis, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT:

Stable under normal storage conditions.

11. Toxicological Information

TOXICOLOGICAL INFORMATION: Methanol (67-56-1) LD50 (Oral, Rat): 1187-2769 mg/kg; LD50 (Dermal, Rabbit) 17100mg/kg; LC50 (Inhalation, Rat,

4h) 85.26 mg/L. **Carbon Dioxide** (124-38-9): LC₅₀ (Inhalation, Rat, 30m) 47,000 ppm.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

Eyes: May cause irritation, redness, tearing.

Ingestion: Not a likely route of exposure under normal product handling conditions.

Inhalation: Causes respiratory tract irritation, dizziness, drowsiness and central nervous system (CNS) depression. Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation. Excessive exposure can cause blindness, unconsciousness and or death.

Skin: Causes localized defatting, irritation, may be absorbed through skin with systemic effects.

MEDICAL CONDITION AGGRAVATED:

Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS:

Inhalation of vapors may be narcotic and can be fatal. Ingestion of liquid will cause gastrointestinal distress, irritation, possibly nausea, and can be fatal. Liquid or vapors may be irritating to skin and eyes.

CHRONIC HEALTH HAZARDS:

May cause damage to the following: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). May cause damage to skin, lungs, respiratory and gastrointestinal tract.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

12. Ecological Information

ECOTOXICITY: Methanol (67-56-1): LC₅₀ (*Pimephales promelas* [flow-through], 96h) 28200 mg/L; LC₅₀ (*Pimephales promelas* [static], 96h) > 100 mg/L; EC50 (*Daphnia*, 24h) 23500 mg/L [immobilization].

PERSISTENCE AND DEGRADABILITY:

Component or components of this product are biodegradable.

BIOACCUMULATIVE POTENTIAL:

Component or components of this product are not expected to bioaccumulate

MOBILITY IN SOIL:

This product is mobile in soil.

OTHER ADVERSE EFFECTS:

None known.

13. Disposal Consideration

WASTE DISPOSAL:

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

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. Transportation Information

DOT: UN Proper Shipping Name: Aerosols, Ltd. Qty.

Transport Hazard Class(es):

Class: 2.1

UN Number: UN1950

Packing Group: N/A

IATA: UN Proper Shipping Name: Aerosols, Ltd. Qty.

Transport Hazard Class(es):

Class: 2.1

UN Number: UN1950

Packing Group: N/A

IMDG: UN Proper Shipping Name: Aerosols, Ltd. Qty.

Transport Hazard Class(es):

Class: 2.1

UN Number: UN1950

Packing 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):

Methanol (67-56-1) Reportable Quantity = 5,000 lbs **Ethylene Glycol** (107-21-1) Reportable Quantity = 5,000 lbs

SARA 311/312 HAZARD CATEGORIES: Physical and health hazards.

SARA 313 REPORTABLE INGREDIENTS:

Methanol (67-56-1), **Ethylene Glycol** (107-21-1)

CLEAN WATER ACT: Methanol (67-56-1) is a hazardous substance.

STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. **Methanol** (67-56-1): 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. Isopropyl alcohol (67-63-0): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CT, FL, IL, MA, MN, NJ, PA, RI, TN.

INTERNATIONAL REGULATIONS: Listed or exempt from listing/notification on the following chemical inventories: Australian Inventory of Industrial Chemicals (AIIC, Australia); Domestic Substances List (DSL, Canada); Inventory of Existing Chemical Substances in China (IECSC, China); Korean Existing Chemicals Inventory (KECI, Korea).

16. Other Information

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

DISCLAIMER:

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