




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2491	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ICE BREAKER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Liquid Snow & Ice Melt	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: This is not a GHS controlled substance.	SIGNAL WORD: No labeling applicable.	SYMBOL:	NOT A CONTROLLED PRODUCT UNDER GHS 
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HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY (GHS-US):

No data available.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Never give anything to an unconscious person.

EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

SKIN: Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

INHALATION:

Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

INGESTION:

Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause skin irritation.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No additional information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical. Foam. Water spray. Sand.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Fire hazard: Product is not flammable.

Explosion hazard: Product is not explosive.

Reactivity: Product is hygroscopic and may give off heat while dissolving.

SPECIFIC FIREFIGHTING METHODS:

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

General: Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Evacuate area. Ventilate area. Keep upwind.

Non-Emergency Personnel: Wear Protective equipment as described in Section 8. Evacuate unnecessary personnel.

Emergency Responders: Wear suitable protective clothing, gloves, and eye or face protection. Approved supplied-air respirator, in case of emergency.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Avoid release to the environment. Prevent entry to sewers and public waters. Contain and collect as any solid. Prevent entry to sewers and public waters. Sweep up loose material. Place residues in suitable, covered, and labeled container. Dispose of material in compliance with

local, state, and federal regulations.
REFERENCE TO OTHER SECTIONS:
No additional information available.

7. Handling and Storage

SAFE HANDLING:

Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. If diluting, the heat developed during diluting or dissolving is very high. Use cool water (less than 80°F) and add material to water.

SAFE STORAGE & INCOMPATIBILITIES:

Keep container tightly closed. Store in a dry, cool, and well-ventilated place. Store in a well-ventilated place.

INCOMPATIBLE MATERIALS:

Moisture.

SPECIFIC END USES:

No additional information available.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

No additional information available.

ENGINEERING CONTROLS:

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT:



EYE/FACE PROTECTION: Use eye protection suitable to the environment. Avoid direct contact with eyes.

SKIN PROTECTION: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

RESPIRATORY PROTECTION: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

9. Physical & Chemical Properties

APPEARANCE:	Crystalline	FLAMMABILITY(solid/gas):	No data available.
Physical State:	Liquid.	VAPOR PRESSURE:	No data available.
Color:	Orange	RELATIVE DENSITY:	≈2.2
ODOR:	Slight aromatic	SOLUBILITY (water):	Soluble.
ODOR THRESHOLD:	No data available.	AUTO-IGNITION TEMP:	No data available.
pH:	No data available.	DECOMPOSITION TEMP:	No data available.
MELTING/FREEZING POINT:	No data available.	VISCOSITY (kinematic):	No data available.
BOILING POINT:	135°C (275°F)	VISCOSITY (dynamic):	No data available.
FLASH POINT:	No data available.	LOG POW:	No data available.
RELATIVE EVAPORATION RATE:	No data available.	LOG KOW:	No data available.
RELATIVE VAPOR DENSITY (20°C):	No data available.	EXPLOSIVE PROPERTIES:	No data available.
OXIDIZING PROPERTIES:	No data available.	EXPLOSIVE LIMITS:	No data available.
ADDITIONAL INFORMATION:	No additional information available.		

10. Stability & Reactivity Information

REACTIVITY:

Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known under normal conditions of use.

INCOMPATIBLE MATERIALS:

Sulfuric acid. Metals may corrode in aqueous calcium chloride solutions. Avoid contact with brass, steel, aluminum, ferrous metals or alloys thereof. Leather clothing and shoes may be damaged by calcium chloride.

CONDITIONS TO AVOID:

Contact with certain metals.

DECOMPOSITION PRODUCTS:

Reacts slowly with (some) metals: release of highly flammable gases/vapours hydrogen. Product attracts moisture and gives off heat while dissolving. May produce toxic and noxious fumes under extreme fire conditions.

11. Toxicological Information

ACUTE TOXICITY:

Not classified.

SKIN CORROSION/IRRITATION:

Not classified.

SERIOUS EYE DAMAGE/IRRITATION:
Not classified.

RESPIRATORY OR SKIN SENSITIZATION:
Not classified.

GERM CELL MUTAGENICITY:
Not classified.

CARCINOGENICITY:
Not classified.

REPRODUCTIVE TOXICITY:
Not classified.

SPECIFIC TARGET ORGAN TOXICITY (single exposure):
Not classified.

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure):
Not classified.

ASPIRATION HAZARD:
Not classified.

SYMPTOMS/INJURIES AFTER INHALATION:
May cause respiratory irritation.

SYMPTOMS/INJURIES AFTER SKIN CONTACT:
May cause skin irritation.

SYMPTOMS/INJURIES AFTER EYE CONTACT:
Direct contact with the eyes is likely to be irritating.

SYMPTOMS/INJURIES AFTER INGESTION:
May cause gastrointestinal irritation.

12. Ecological Information

ECOTOXICITY:
Based largely or completely on data for major components: this material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100 mg/L in most sensitive species).

PERSISTENCE AND DEGRADABILITY:
No additional information available.

BIOACCUMULATIVE POTENTIAL:
No additional information available.

MOBILITY IN SOIL:
No additional information available.

OTHER ADVERSE EFFECTS:
No additional information available.

13. Disposal Consideration

Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit. Dispose of in accordance with local/national regulations. Do not allow the product to be released into the environment.

14. Transportation Information

In accordance with DOT:
Not hazardous for transport

Other information:
No supplementary information available.

Transport by sea
No additional information available.

Air transport:
No additional information available.

15. Regulatory Information

US FEDERAL REGULATIONS:
Ice Breaker Product: All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.
SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard.

INTERNATIONAL REGULATIONS:
No additional information available.

US STATE REGULATIONS:
California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

16. Other Information

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

NFPA	Health Hazards: 0	Flammability: 0	Physical hazards: 0	Personal protection: W
HMIS	Health: 0	Flammability: 0	Physical: 0	Personal protection:

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.