



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3278701	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	ICE FIGHTER EXTRA	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Ice Melting Compound	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

Classification of the substance or mixture:
Eye Irrit. 2A H319 Causes serious eye irritation.

GHS label elements:

The product is classified and labeled according to the Globally Harmonized System (GHS).

SIGNAL WORD:
WARNING

SYMBOL:



HAZARD STATEMENTS:

H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

Prevention: P264 Wash thoroughly after handling.

P280 Wear eye protection.

Response: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

OTHER HAZARDS:

There are no other hazards not otherwise classified that have been identified.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Sodium chloride	7647-14-5	>90%
calcium chloride Eye Irrit. 2A, H319	10043-52-4	<5%
Potassium chloride	7447-40-7	<5%
Eye Irrit. 2B, H320		
Tetrasodium hexacyanoferrate	13601-19-9	<0.5%
2-amino-2-methylpropanol	124-68-5	<0.35%
Skin Irrit.2, H315; Eye Irrit. 2A, H319		
Blue/Green Liquid Color		<0.5%

Additional information: For the wording of the listed Hazard Statements, refer to Section 16.

4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Clean with water and soap. If skin irritation is experienced, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Causes serious eye irritation. Mechanical irritation to eyes and skin.

DANGER:

No relevant information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

If medical advice is needed, have product container or label at hand.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use firefighting measures that suit the environment.

SUITABLE EXTINGUISHING AGENTS:

Use firefighting measures that suit the environment.

FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS:

None.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In certain fire conditions, traces of other toxic gases cannot be excluded.

ADVICE FOR FIREFIGHTERS

PROTECTIVE EQUIPMENT:

Wear self-contained respiratory protective device. Wear fully protective suit.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Vacuum or sweep and collect in a suitable container. For a large spill, collect uncontaminated product for possible reuse. Avoid creating dusty conditions. Send for recovery or disposal in suitable receptacles.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

HANDLING

PRECAUTIONS FOR SAFE HANDLING:

Use only in well-ventilated areas.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

The product is not flammable.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES:

Store in cool, dry conditions in well-sealed receptacles.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY:

Store away from food stuffs. Store away from oxidizers, strong acids, strong bases.

FURTHER INFORMATION ABOUT STORAGE CONDITIONS:

Keep containers tightly sealed.

SPECIFIC END USE(S):

No relevant information available.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Components with limit values that require monitoring at the workplace:

10043-52-4 calcium chloride	
EV (Canada)	Long-term value: 5 mg/m ³
102-71-6 Triethanolamine	
TLV (USA)	Long-term value: 5 mg/m ³
EL (Canada)	Long-term value: 5 mg/m ³
EV (Canada)	Long-term value: 3.1 mg/m ³ , 0.5 ppm
LMPE (Mexico)	Long-term value: 5 mg/m ³

EXPOSURE CONTROLS:

GENERAL PROTECTIVE AND HYGIENIC MEASURES:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety glasses. Follow relevant national guidelines concerning the use of protective eyewear.

Skin Protection: Protection of Hands: Gloves are advised for repeated or prolonged contact.

Material of Gloves:

Nitrile rubber, NBR

Butyl rubber, BR

Neoprene gloves

Natural rubber, NR

Sensibilization by the components in the glove materials is possible.

Body Protection: Protective work clothing.

Respiratory Protection: Breathing Equipment: For spills, respiratory protection may be advisable.

LIMITATION AND SUPERVISION OF EXPOSURE INTO THE ENVIRONMENT:

No relevant information available.

RISK MANAGEMENT MEASURES:

No relevant information available.

ENGINEERING CONTROLS:

Provide adequate ventilation.

9. Physical & Chemical Properties

Form:	Solid	Flammability(solid/gas):	Not determined.
Color:	Blue/Green	Danger of Explosion:	Product does not present an explosion hazard.
Odor:	Characteristic	Explosive Limit-Lower (%):	Not determined.
Odor Threshold:	Not determined.	Explosive Limit-Upper (%):	Not determined.
pH Value:	Not applicable.	Oxidizing Properties:	Non-oxidizing.
Melting Point/Range:	Not determined.	Vapor Density:	Not applicable.
Boiling Point/Range:	Not determined.	Vapor Pressure:	Not determined.
Viscosity Dynamic:	Not applicable.	Relative Density:	Not determined.
Viscosity Kinematic:	Not applicable.	Solubility in / Miscibility with Water:	Soluble.
Flash Point:	The product is not flammable.	Auto-Ignition Temp:	Not determined.
Evaporation Rate:	Not applicable.	Decomposition Temp:	Not determined.
Other Information:	No relevant information available.	Partition Coeff(n-octanol/water):	Not determined.

10. Stability & Reactivity Information

REACTIVITY:

No relevant information available.

CHEMICAL STABILITY:

Stable under normal temperatures and pressures.

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:

No decomposition if used and stored according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

Reacts with strong acids and alkali.

Reacts with strong oxidizing agents.

CONDITIONS TO AVOID:

Moisture.

INCOMPATIBLE MATERIALS:

Oxidizers, strong bases, strong acids

Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

Possible in traces:

Under fire conditions only:

Chlorine compounds

Sodium oxides

11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Based on available data, the classification criteria are not met.

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION:

ATE (Acute Toxicity Estimate)

Oral LD50 >11617-12745 mg/kg (rat)

PRIMARY IRRITANT EFFECT:

On the skin: Based on available data, the classification criteria are not met.

On the eye: Causes serious eye irritation.

Sensitization: Based on available data, the classification criteria are not met.

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

PROBABLE ROUTE(S) OF EXPOSURE:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

ACUTE EFFECTS (ACUTE TOXICITY, IRRITATION AND CORROSIVITY):

Causes serious eye irritation.

Mechanical irritation to eyes and skin.

REPEATED DOSE TOXICITY:

No relevant information available.

GERM CELL MUTAGENICITY:

Based on available data, the classification criteria are not met.

CARCINOGENICITY:

Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY:

Based on available data, the classification criteria are not met.

STOT-SINGLE EXPOSURE:

Based on available data, the classification criteria are not met.

STOT-REPEATED EXPOSURE:

Based on available data, the classification criteria are not met.

ASPIRATION HAZARD:

Based on available data, the classification criteria are not met.

12. Ecological Information**TOXICITY****AQUATIC TOXICITY:**

No relevant information available.

PERSISTENCE AND DEGRADABILITY:

No relevant information available.

BIOACCUMULATIVE POTENTIAL:

No relevant information available.

MOBILITY IN SOIL:

No relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION**GENERAL NOTES:**

Avoid release to the environment.

OTHER ADVERSE EFFECTS:

No relevant information available.

13. Disposal Consideration**WASTE TREATMENT METHODS**

Recommendation: The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

UNCLEANED PACKAGINGS:

Recommendation: Disposal must be made according to official regulations.

14. Transportation Information**UN-Number:**

DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.

UN Proper Shipping Name:

DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.

Transport hazard class(es):

DOT, ADR/RID/ADN, IMDG, IATA

Class: Not regulated.

Packing Group:

DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.

Environmental Hazards:

Not applicable.

Special precautions for user:

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture:****United States (USA)****SARA****Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt.

Proposition 65 (California)**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

Canadian Domestic Substances List (DSL):

All ingredients listed on DSL or NDSL.

16. Other Information**ABBREVIATIONS AND ACRONYMS:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
OSHA: Occupational Safety & Health Administration
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

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.