



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	SP3109405	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	ICE COMBAT	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	Exothermic Ice & Snow Melter	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Acute Toxicity 4 (Oral) - H302 Skin Irritant 2 - H315 Eye Irritant 2B - H320	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>	
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### HAZARD STATEMENTS:

Harmful if swallowed. Causes skin irritation. Causes eye irritation.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection, face protection, protective gloves.

**Response:** IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell. IF ON SKIN: Wash with plenty of water IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see First aid measures on this label). Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Disposal:** Dispose of contents/container to comply with local/regional/national/international regulations.

### OTHER HAZARDS:

No additional information available.

### UNKNOWN ACUTE TOXICITY:

Not applicable.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	%	GHS-US Classification
Calcium Chloride	10043-52-4	> 90	Eye Irritant 2A, H319
AQUA	7732-18-5	< 10	Not classified
Potassium Chloride	7447-40-7	< 3	Not classified
SODIUM CHLORIDE	7647-14-5	< 2	Not classified

Not applicable.

Full text of H-phrases: See Section 16

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## 4. First Aid Measures

### EMERGENCY OVERVIEW

#### GENERAL:

If you feel unwell, seek medical advice (show the label where possible).

**EYES:** Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**SKIN:** Rinse skin with water/shower.

#### INHALATION:

Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

#### INGESTION:

Victim is fully conscious: immediately induce vomiting. Immediately call a poison center or doctor/physician.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reaction of the patient.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Symptoms/effects : Harmful if swallowed. Causes eye irritation. Causes skin irritation.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Adapt extinguishing media to the environment.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

**Fire Hazard:** Not flammable. Heat and acid contamination will produce irritating and toxic fumes. May decompose, generating irritating chlorine gas. Heat is generated when mixed with water or aqueous acids. Spattering and boiling can occur.

**Avoid Contact With:** bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture and may release flammable hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.

**Reactivity:** Contact with metallic substances may release flammable hydrogen gas. Thermal decomposition may produce chlorine, sodium oxide, oxygen, oxides of chlorine, sodium chlorate, and hydrogen. HCl.

**ADVICE FOR FIREFIGHTER:**

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection during Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**6. Accidental Release Measures**

**PERSONAL PRECAUTIONS:**

**General Measures:** Isolate from fire, if possible, without unnecessary risk.

**For Non-Emergency Personnel Protective Equipment:** Gloves. Safety glasses. Protective clothing.

**Emergency Procedures:** Avoid contact with eyes. Wash contaminated clothes.

**For Emergency Responders Protective Equipment:** Do not attempt to take action without suitable protective equipment.

**Emergency Procedures:** Stop leak if safe to do so. Stop release. Ventilate area.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment.

**METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:**

**For Containment:** Collect spillage.

**Methods for Cleaning Up:** Clean contaminated surfaces with an excess of water. On land, sweep or shovel into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

**REFERENCE TO OTHER SECTIONS:**

No additional information available.

**7. Handling and Storage**

**SAFE HANDLING:**

**Additional Hazards when Processed:** Always use cool water (temperature less than 80°F, 27°C) when dissolving calcium chloride. Heat developed by solution is very high during dissolving and mixing.

**Precautions for Safe Handling:** Avoid contact with eyes.

**Hygiene Measures:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**SAFE STORAGE & INCOMPATIBILITIES:**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container tightly closed.

**Storage Area:** Meet the legal requirements.

**Special Rules on Packaging:** Keep only in original container.

**8. Exposure Controls / Personal Protection**

**CONTROL PARAMETERS:**

**Calcium Chloride (10043-52-4):** Not applicable.

**SODIUM CHLORIDE (7647-14-5):** Not applicable.

**Potassium Chloride (7447-40-7):** Not applicable.

**AQUA (7732-18-5):** Not applicable.

**PERSONAL PROTECTIVE EQUIPMENT:** Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



**Eye/Face Protection:** Safety glasses.

**Skin Protection:** Gloves & protective clothing.

**APPROPRIATE ENGINEERING CONTROLS:**

Ensure good ventilation of the work station.

<b>Appearance:</b>	White solid.	<b>Flammability(solid/gas):</b>	No data available.
<b>Physical State:</b>	Solid	<b>Explosive Limits:</b>	No data available.
<b>Odor:</b>	No odor.	<b>Explosive Properties:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>pH:</b>	No data available.	<b>Relative Vapor Density at 20°C:</b>	No data available.
<b>Melting/Freezing Point:</b>	No data available.	<b>Vapor Pressure:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Relative Density:</b>	No data available.
<b>Boiling Point:</b>	No data available.	<b>Solubility (water):</b>	Soluble in water.
<b>Viscosity:</b>	No data available.	<b>Auto-Ignition Temp:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.	<b>Decomposition Temp:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.	<b>Log Pow:</b>	No data available.
<b>Flash Point:</b>	No data available.	<b>Log Kow:</b>	No data available.
<b>Specific Gravity/Density:</b>	2.2 g/ml	<b>Relative Evaporation Rate (butyl acetate=1):</b>	No data available.

**10. Stability & Reactivity Information**

**REACTIVITY:**

Contact with metallic substances may release flammable hydrogen gas. Thermal decomposition may produce chlorine, sodium oxide, oxygen, oxides of chlorine, sodium chlorate and hydrogen. HCl.

**CHEMICAL STABILITY:**  
Hygroscopic.

**POSSIBILITY OF HAZARDOUS REACTIONS:**  
No additional information available.

**CONDITIONS TO AVOID:**  
No additional information available.

**INCOMPATIBLE MATERIALS:**  
May be corrosive to metals.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### 11. Toxicological Information

**ACUTE TOXICITY:**  
**Oral:** Harmful if swallowed.

**SKIN CORROSION/IRRITATION:**  
Causes skin irritation.

**SERIOUS EYE DAMAGE/IRRITATION:**  
Causes eye irritation.

**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/EFFECTS AFTER SKIN CONTACT:**  
Causes skin irritation.

**SYMPTOMS/EFFECTS AFTER EYE CONTACT:**  
Causes eye irritation.

**SYMPTOMS/EFFECTS AFTER INGESTION:**  
Harmful if swallowed.

**LIKELY ROUTES OF EXPOSURE:**  
Skin and eye contact.

#### 12. Ecological Information

**TOXICITY:** No additional information available.

**PERSISTENCE AND DEGRADABILITY:**  
No additional information available.

**BIOACCUMULATIVE POTENTIAL:**  
No additional information available.

#### 13. Disposal Consideration

**WASTE TREATMENT METHODS:** Dispose of contents/container to comply with local/regional/national regulations.

#### 14. Transportation Information

**DOT:** In accordance with DOT: Not regulated for transport.

**IATA:** Not regulated for transport.


**IMDG:** Not regulated for transport.

**ADR:** Not regulated for transport.

#### 15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

 **WARNING** This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute. **WARNING** This product (when used in aqueous formulations with a chemical oxidizer such as ozone) may react to form calcium bromate, a chemical known to the State of California to cause cancer.

## 16. Other Information

**Training Advice:** Normal use of this product shall imply use in accordance with the instructions on the packaging.

**Full text of H-phrases:** H319: Causes serious eye irritation

**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.