

# Safety Data Sheet

## Alaskan Liquid Ice Melter



### 1. Identification

Product identifier	Alaskan Liquid Ice Melter
Product code	8405600, 8405602, 8405672
Other means of identification	159-0361-4, 299-7674-4-D
Recommended use of the chemical and restrictions on use	Ice Melter. Not recommended for any other use not detailed on product data sheet or label.
Manufacturer	Premier Tech Home & Garden Inc 1, avenue Premier Rivière-du-Loup (Quebec) G5R 6C1 CANADA Tel. (418) 863-7878 <a href="http://www.pthomeandgarden.com">www.pthomeandgarden.com</a>
Emergency phone number	1-800-268-2806

### 2. Hazard identification

Summary	Avoid contact with eyes. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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WHMIS 2015/GHS/OSHA HCS 2012



Serious eye damage/eye irritation (Category 2)

#### WARNING

H319: Causes serious eye irritation

P264: Wash skin thoroughly after handling.

P280: Wear eye protection.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice or attention.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Sodium chloride	7647-14-5	<2 %
Calcium chloride	10043-52-4	28-42 %
Potassium chloride	7447-40-7	<3%

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

#### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. If a problem develops or persists, seek medical attention.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause eye irritation.
<b>Notes to the physician</b>	Apply a symptomatic and supportive treatment.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use an extinguishing agent appropriate for the surrounding fire.
<b>Specific hazards arising from the chemical</b>	No hazard listed.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask.
<b>Special protective actions for fire-fighters</b>	No additional information.

#### 6. Accidental release measures


<b>Personal precautions, protective equipment and emergency procedures</b>	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	No immediate danger to the environment.
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area well. Scrape and shovel the residue and place in a suitable container. Finish cleaning by rinsing with water contaminated surface.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Use in well ventilated area. Avoid contact with eyes. Avoid breathing dust. Use in a manner that avoids generating dust. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Wash thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Store away from incompatible materials (see section 10). Keep away from moisture. Product is hygroscopic and tends to cake on storage. Keep away from food and drink.
<b>Storage temperature</b>	N/Av.

#### 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	No IDLH value is reported.
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<b>Appropriate engineering controls</b>	Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.
<b>Individual protection measures</b>	
<b>Eye</b>	In the workplace, wear safety glasses with side shields. However, goggles are recommended if the product is used in such a way as to generate high dust levels.
<b>Hands</b>	In case of prolonged contact wear neoprene or nitrile gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear.
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.
<b>Respiratory</b>	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. For dust nuisance exposures use type N95 particle respirator.
<b>Feet</b>	Not required in normal use.
	
Safety glasses	

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Do not burn.
<b>Colour</b>	Clear	<b>Flammability limits</b>	N/Ap.
<b>Odour</b>	Odorless	<b>Flash point</b>	N/Ap.
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Ap.
<b>pH</b>	9 - Estimated (undiluted)	<b>Sensibility to electrostatic charges</b>	No
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	43 - +21°C (-46 - +69°F)	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	110 - 122 °C (230 - 252 °F)	<b>Relative density</b>	1.27 - 1.43 kg/L] @ 25 °C (77 °F)
<b>Solubility</b>	Completely miscible	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	N/Ap.	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	9 - 15 mm Hg @ 25 °C (77 °F)	<b>Viscosity</b>	N/Ap.
<b>Percent Wt. Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Ap.
<b>VOC (g/L)</b>	N/Av.	<b>% Volume Volatile (VOC)</b>	0%
<b>VOC (lb/gal)</b>	N/Av.	<b>% Wt. Volatile (VOC)</b>	0%
N/Av.: Not Available    N/Ap.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

Reactivity	No reactivity expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Keep away from moisture. Absorbs moisture on long-term storage under high humidity conditions.
Incompatible materials	Strong acids.
Hazardous decomposition products	No decomposition product.

## 11. Toxicological information


Numerical measures of toxicity	Sodium chloride	Ingestion	3000 mg/kg	Rat	LD50
		Inhalation	42g/m3/1h	Rat	LC50
		Skin	>10000 mg/kg	Rabbit	LD50
	Calcium chloride	Ingestion	1000 mg/kg	Rat	LD50
		Skin	2630 mg/kg	Rat	LD50
Likely routes of exposure	Skin, eyes, inhalation.				
Delayed, immediate and chronic effects	<b>Eye contact</b>	May cause redness and irritation of the skin. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient (>1%) of this mixture gave not irritating to irritating results.			
	<b>Skin contact</b>	Prolonged and repeated contact may cause skin dryness and irritation. Not irritating (OECD TG 404).			
	<b>Inhalation</b>	Powder may irritate throat and respiratory system and cause coughing.			
	<b>Ingestion</b>	No negative effects expected in small quantities. May cause gastric disturbance.			
	<b>Respiratory or skin sensitization</b>	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.			
	<b>IARC/NTP Classification</b>	<b>Common name IARC NTP</b> - -			
	<b>Carcinogenicity</b>	IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens. Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.			
	<b>Mutagenicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.			
	<b>Reproductive toxicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.			
	<b>Specific target organ toxicity - single exposure</b>	No target organ is listed.			
<b>Specific target organ toxicity - repeated exposure</b>	No target organ is listed.				
Interactive effects	No information available.				
Other information	No additional information.				

## 12. Ecological information

Ecological toxicity	Fish - , fathead minnow (Pimephales promelas)	LC50	10610 mg/L; 96h (CAS no 7647-14-5)
	Aquatic Invertebrate - Daphnia Magna (fresh water)	EC50	4571 mg/L; 48h (CAS no 7647-14-5)

	Fish - Lepomis macrochirus - Bluegill	LC50	8350-10650 mg/L; 96 h (CAS no 10043-52-4)
	Aquatic Invertebrate - Daphnia magna (Water flea)	EC50	759 - 3005 mg/L; 48 h (CAS no 10043-52-4)
	Fish - rainbow trout (Oncorhynchus mykiss)	LC50	4236 mg/L; 96 h (CAS no 7447-40-7)
	Aquatic Invertebrate - Daphnia magna (Water flea)	EC50	590 mg/L; 24 h (CAS no 7447-40-7)
<b>Persistence</b>	Inorganic compounds persist in the environment indefinitely or incorporate into biological systems.		
<b>Degradability</b>	The term biodegradability, as such, is not applicable to inorganic compounds.		
<b>Bioaccumulative potential</b>	Inorganic compounds may be incorporate into biological systems.		
<b>Mobility in soil</b>	The product is a mixture of which some ingredients have a high mobility in the soil, while other ingredients have a moderate mobility in the soil.		
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.		

### 13. Disposal considerations

	<b>Container</b> Important! Prevent waste generation. Use in full. Empty containers can be treated (recycled) where there is a recovery program. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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### 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>2020 Emergency Response Guidebook</b>	
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

### 15. Regulatory information

<b>CANADA</b>					
<b>Common name</b>	<b>CAS</b>	<b>CEPA</b>	<b>DSL</b>	<b>NDSL</b>	<b>NPRI</b>
Sodium chloride	7647-14-5		X		

Calcium chloride	10043-52-4		X		
Potassium chloride	7447-40-7		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances


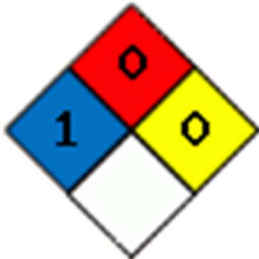
**UNITED STATE OF AMERICA**

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Sodium chloride	7647-14-5	X								
Calcium chloride	10043-52-4									
Potassium chloride	7447-40-7	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

**California Proposition 65**

No ingredients listed.

<b>Other regulations</b>		
	<p><b>HMIS</b></p> 	<p><b>NFPA</b></p> 

**16. Other information**

<b>Date (YYYY-MM-DD)</b>	Premier Tech Home & Garden Inc 2021-06-11
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="https://www.cnesst.gouv.qc.ca/fr">https://www.cnesst.gouv.qc.ca/fr</a></li> </ul>

	<p>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="https://haz-map.com/">https://haz-map.com/</a>  - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <a href="https://pubchem.ncbi.nlm.nih.gov">https://pubchem.ncbi.nlm.nih.gov</a></p> <p>ACGIH: American Conference of Governmental Industrial Hygienists  AIHA: American Industrial Hygiene Association  HMIS: Hazardous Materials Identification System  NFPA: National Fire Protection Association  OSHA: Occupational Safety and Health Administration (USA)  NIOSH: National Institute for Occupational Safety and Health  NTP: National Toxicology Program  RSST: Règlement sur la santé et la sécurité du travail (Québec)  GHS: Globally Harmonized System  IARC: International Agency for Research on Cancer  IDLH: Immediately Dangerous to Life or Health  STEL: Short Term Exposure Limit (15 min)  TWA: Time Weighted Averages  WHMIS: Workplace Hazardous Materials Information System</p>