

Safety Data Sheet

Ice Breaker

SECTION 1. IDENTIFICATION

Product Identifier Ice Breaker
Recommended Use Ice and snow melter.
Manufacturer W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516,
www.wegreer.com
Emergency Phone No. CANUTEC, 1-888-226-8832, You can call *666 on your cellular phone

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) - Category 4; Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2A

GHS Label Elements



Warning

Hazard Statement(s):

Causes serious eye irritation.

Causes skin irritation.

Harmful if swallowed.

Precautionary Statement(s):

Prevention:

Wear eye protection/face protection.

Wear protective gloves.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response:

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

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

Disposal:

Dispose of contents/container in accordance with local, regional, national and international regulations.

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Additional Hazard Information:
Mixing with water may cause heat to be released.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Calcium bromide	7789-41-5	<1	
Sodium chloride	7647-14-5	>1-<2	
Potassium chloride	7447-40-7	>2-<3	
Calcium chloride	10043-52-4	>90 - <92	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell or are concerned.

Skin Contact

Wash with lots of water. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Get medical advice/attention if you feel unwell or are concerned.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion

Rinse mouth with water. Call a Poison Centre or doctor if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled: can irritate the nose and throat.

If on skin: may cause mild irritation.

If in eyes: causes moderate to severe irritation.

If swallowed: symptoms may include nausea, vomiting, stomach cramps and diarrhea.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Chemical

Formed under fire conditions: hydrogen chloride gas, calcium oxide.

Special Protective Equipment and Precautions for Fire-fighters

A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not discharge into lakes, streams, ponds, or public waters.

Methods and Materials for Containment and Cleaning Up

Use broom or dry vacuum. Avoid producing dust. Rinse area with water.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

General hygiene considerations: when using do not eat or drink. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Avoid breathing dust.

Conditions for Safe Storage

Store in a closed container. Keep out of reach of children. Keep away from incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Calcium chloride	Not established		Not established			
Potassium chloride	Not established		Not established			

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed. Avoid dust generation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Light white pellets.
Odour	Odourless
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	772 °C (1422 °F) (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not applicable
Solubility	98 g/100 mL (Soluble) in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Viscosity	Not available (dynamic)
Other Information	
Physical State	Solid
Bulk Density	1 - 1 kg/L (58 - 66 lb/ft3)

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

This product may react with acids. This product may react with strong oxidizing agents. Reacts with soft metals such as aluminum and zinc producing flammable hydrogen gas.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials. Water, moisture or humidity. Exposure to air. Generation of dust. Heat.

Incompatible Materials

Metals (e.g. aluminum), oxidizing agents (e.g. peroxides). Bromine trifluoride. Methyl vinyl ether. Boric oxide. Calcium oxide. Furan-2-Peroxyacetic acid.

Hazardous Decomposition Products

May include but not limited to: chloride compounds. Hydrogen chloride.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Calcium chloride	> 160 mg/m ³ (rat) (4-hour exposure)	500-1000 mg/kg (rabbit)	> 5000 mg/kg (rabbit)
Potassium chloride		2430 mg/kg (rat)	
Sodium chloride	> 10500 (rat) (4-hour exposure)		

Skin Corrosion/Irritation

Brief exposure: human experience shows very mild irritation. Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation. May cause respiratory tract irritation.

Skin Absorption

May cause irritation.

Ingestion

Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Non-hazardous by WHMIS criteria.

Respiratory and/or Skin Sensitization

Non-hazardous by WHMIS criteria.

Carcinogenicity

Non-hazardous by WHMIS criteria.

Reproductive Toxicity

Development of Offspring

Non-hazardous by WHMIS criteria.

Sexual Function and Fertility

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Non-hazardous by WHMIS criteria.

Germ Cell Mutagenicity

Non-hazardous by WHMIS criteria.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium chloride		402.6 mg/L (Daphnia magna (water flea); fresh water; static)		

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

If released into the environment, this product does not move through the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 0** **Instability - 0**

SDS Prepared By W.E. Greer Ltd.

Phone No. 780-451-1516

Date of Preparation July 26, 2016

Date of Last Revision July 26, 2016

Disclaimer Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No

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warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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