

**SECTION 1: PRODUCT INFORMATION**

Product Name..... Blue Snow & Ice Melter  
 Product Use..... Ice melting  
 Supplier ..... Hillyard, Inc.  
 1070 Holt Ave  
 Manchester, New Hampshire, 03109  
 Phone Number ..... (800) 292-9565  
 Emergency Phone No..... (613) 996-6666 (Canutec)  
 Available Packaging. .... 50 lb box, 2000 lb tote

**SECTION 2: HAZARD IDENTIFICATION**

Classification (GHS). .... Not Classified  
 GHS Labelling ..... No Labelling applicable  
 Percentage ..... Not applicable  
 Other Hazards..... Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes. Corrosive to metals upon prolonged contact.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Percentage	CAS. NO.	Classification
Sodium Chloride (NaCl)	90.0-99.9%	7647-14-5	Not Classified
Potassium Chloride (KCl)	0.01-5.0%	7447-40-7	Aquatic Acute 3, H402
Urea (NH <sub>2</sub> CONH <sub>2</sub> )	0.01-5.0%	57-13-6	Skin Irrit. 2, H315; Eye Irrit. 2A, H319 STOT SE 3, H335
Product may contain color indicator			

**SECTION 4: FIRST-AID MEASURES**

General ..... Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.  
 Inhalation ..... When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.  
 Skin Contact..... Remove contaminated clothing. Brush off loose particles. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.  
 Eye Contact..... Rinse cautiously with water for several minutes. Brush off loose particles. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.  
 Ingestion..... Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

**SECTION 5: FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media .....	Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media.....	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Fire Hazard .....	Not considered flammable but may burn at high temperatures
Explosion Hazard .....	Product is not explosive
Reactivity.....	Stable under normal use
Methods for Cleaning Up.....	Recover the product by vacuuming, shovelling or sweeping.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions .....	Avoid breathing (dust). Avoid all contact with skin, eyes, or clothing
Protective Equipment.....	Use appropriate personal protection equipment
Environmental Precautions ..	Prevent entry to sewers and public waters. Avoid release to the environment
Methods for Cleaning Up ....	Clear up spills immediately and dispose of waste safely. Recover the product by vacuuming, shovelling or sweeping.

**SECTION 7: HANDLING AND STORAGE**

Precautions for Safe Handling	
Additional Hazards When Processed.....	When heated to decomposition, emits toxic fumes. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise. Corrosive to metals upon prolonged contact. May release hydrogen gas on prolonged contact with certain metals.
Hygiene Measures.....	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.
Conditions for Safe Storage, Including Any Incompatibilities	
Technical Measures.....	Comply with applicable regulations
Storage Conditions.....	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, and incompatible materials.
Incompatible Materials.....	Strong acids. Strong bases. Strong oxidizers

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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Control Parameters .....	No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.
Appropriate Engineering Controls .....	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment .....	Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves.



Materials for Protective Clothing .....	Chemically resistant materials and fabrics.
Hand Protection .....	Wear chemically resistant protective gloves
Eye Protection .....	Chemical goggles or face shield
Skin and Body Protection .....	Wear suitable protective clothing
Respiratory Protection .....	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations are expected to exceed exposure limits

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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Physical State .....	Solid
Appearance .....	Blue Colored Granules
Vapour Pressure (mm Hg at 20° C) .....	Not applicable
Vapour Density (Air = 1.0) .....	Not applicable
Bulk Density .....	Not applicable
Solubility in Water .....	Water Soluble
Specific Gravity (gm/cc, Water = 1.0) .....	Not applicable
% Volatile by Volume .....	Non-volatile
Boiling Range (Deg. Celsius) .....	Not applicable
Melting/Freezing Point .....	-18° C (0° F)
Coefficient of Water/Oil Distribution .....	Not applicable
pH .....	10 (1% solution @ 20° C)

<b>SECTION 10: STABILITY AND REACTIVITY</b>
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Chemical Stability .....	Stable under normal conditions.
Reactivity .....	When heated to decomposition, emits toxic fumes. Toxic Gas.
Possibility of Hazardous Reactions .....	Polymerization occurs with calcium chloride when mixed with methylvinylether.
Conditions to Avoid .....	Direct sunlight. Extremely high or low temperatures.
Incompatible materials .....	Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products..... Reactive metals  
Toxic gases. Hydrogen chloride. Chlorine. Sodium oxides. Oxides of magnesium. Oxides of calcium.

### SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity ..... Not classified  
LD50 and LC50 Data..... Not available  
Skin Corrosion/Irritation ..... Not classified  
Serious Eye Damage/Irritation..... Not classified  
Respiratory or Skin Sensitization ..... Not classified  
Germ Cell Mutagenicity ..... Not classified  
Teratogenicity ..... Not classified  
Carcinogenicity ..... Not classified  
Specific Target Organ Toxicity (Repeated Exposure) ..... Not classified  
Reproductive Toxicity ..... Not classified  
Specific Target Organ Toxicity (Single Exposure) ..... Not classified  
Aspiration Hazard..... Not classified

#### Information on Toxicological Effects - Ingredient(s)

Sodium chloride (7647-14-5)	LD50 Oral Rat	3 g/kg
	LC50 Inhalation Rat	> 42 g/m <sup>3</sup> (Exposure time: 1 h)
Potassium Chloride (7447-40-7)	LD50 Oral Rat	2600 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

Toxicity ..... No additional information available

#### Sodium chloride (7647-14-5)

LC50 Fish 1	5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow- through])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

#### Potassium Chloride (7447-40-7)

LC50 Fish 1	1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	750-1020 mg/l (Exposure time: 96 h - Species: Pimephales Promelas [static])
EC50 Daphnia 2	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])

Persistence and degradability ..... Not available.

#### Bio accumulative potential

Sodium chloride (7647-14-5)	BCF Fish 1	(no bioaccumulation)
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Mobility in Soil..... Not available

Other Information..... Avoid release to the environment

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

In Accordance with DOT .....Not regulated for transport  
 In Accordance with IMDG .....Not regulated for transport  
 In Accordance with TDG .....Not regulated for transport  
 In Accordance with IATA .....Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

Sodium chloride (7647-14-5)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Potassium Chloride (7447-40-7)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
Urea (108-19-0)	Listed on the United States TSCA (Toxic Substances Control Act) inventory
	EPA TSCA Regulatory Flag - (T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.)

**Canadian Regulations**

<b>Blue™ Snow &amp; Ice Melter</b>	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Sodium chloride (7647-14-5)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>Potassium Chloride (7447-40-7)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>Urea (108-19-0)</b>	Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.**

**SECTION 16: OTHER INFORMATION**

Effective Date ..... November 19, 2014  
 Version ..... 2

The information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to review this information, satisfy themselves as to its suitability and completeness and pass on the information to its employees or customers. Hillyard, Inc. does not accept responsibility for any loss or damage, which may occur from the use of this information.