

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 ₂ CONH ₂)	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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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)

SECTION 10: STABILITY AND REACTIVITY

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 ³ (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 [stactic])
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 [stactic])
EC50 Daphnia 2	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [stactic])

Persistence and degradabilit 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 DOTNot regulated for transport
 In Accordance with IMDGNot regulated for transport
 In Accordance with TDGNot regulated for transport
 In Accordance with IATANot 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

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