

MATERIAL SAFETY DATA SHEET

SECTION 1--PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: BLUE HEAT ICE MELTER		PRODUCT IDENTIFICATION NUMBER (PIN):	
PRODUCT USE: MELTS, DISSOLVES, LOWERS FREEZING POINT OF WATER			
MANUFACTURE'S NAME: TORONTO SALT & CHEMICALS LTD.		SUPPLIER'S NAME: TORONTO SALT & CHEMICALS LTD.	
STREET ADDRESS: 31 PORTLAND STREET		STREET ADDRESS: 31 PORTLAND STREET	
CITY: ETOBICOKE	PROVINCE: ONTARIO	CITY: ETOBICOKE	PROVINCE: ONTARIO
POSTAL CODE: M8Y 1A6	EMERGENCY TELEPHONE NO.: 416-259-9647	POSTAL CODE: M8Y 1A6	EMERGENCY TELEPHONE NO.: 416-259-9647

SECTION 2--HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
CALCIUM CHLORIDE	10043 52 4	ORAL, 1000 mg / kg RAT	NOT AVAILABLE
MAGNESIUM CHLORIDE	7791 186	ORAL, 8100 gm / kg RAT	NOT AVAILABLE
UREA	57 13 6	ORAL, 14300 gm / kg RAT	NOT AVAILABLE
SODIUM CHLORIDE	7647 14 5	ORAL, 3000 gm / kg RAT	NOT AVAILABLE

SECTION 3--PHYSICAL DATA

PHYSICAL STATE: SOLID	ODOUR AND APPEARANCE: ODOURLESS - LIGHT BLUE			ODOUR THRESHOLD (PPM) NOT APPLICABLE
VAPOUR PRESSURE (mm Hg) NOT APPLICABLE	VAPOUR DENSITY (AIR=1): NOT APPLICABLE	EVAPORATION RATE: NOT APPLICABLE	BOILING POINT: NOT APPLICABLE	FREEZING POINT (C): NOT APPLICABLE
pH: NOT APPLICABLE	SPECIFIC GRAVITY: NOT APPLICABLE	COEFF. WATER/OIL DISTR: NOT APPLICABLE		

SECTION 4--FIRE AND EXPLOSION DATA

FLAMMABILITY: YES: NO: X IF YES, UNDER WHICH CONDITIONS		
MEANS OF EXTINCTION: NOT APPLICABLE		
FLASHPOINT (C) AND METHOD: NOT APPLICABLE	UPPER FLAMMABLE LIMIT (% BY VOLUME): NOT APPLICABLE	LOWER FLAMMABLE LIMIT (% BY VOLUME): NOT APPLICABLE
AUTOIGNITION TEMPERATURE (C): NOT APPLICABLE	HAZARDOUS COMBUSTION PRODUCTS: NOT APPLICABLE	
EXPLOSION DATA: NOT APPLICABLE	SENSITIVITY TO IMPACT: NOT APPLICABLE	SENSITIVITY TO STATIC DISCHARGE: NOT SENSITIVE

SECTION 5--REACTIVITY DATA

CHEMICAL STABILITY YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS?
INCOMPATIBILITY WITH OTHER SUBSTANCES YES: <input type="checkbox"/> NO: <input checked="" type="checkbox"/> IF SO, WHICH ONES?: CONTACT WITH LITHIUM / BROMINE TRIFLOURIDE, CONTACT WITH STRONG ACIDS OXIDIZING AGENTS.
REACTIVITY, AND UNDER WHAT CONDITIONS: NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS: HLC,SODIUM OXIDES, CL2

SECTION 6--TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT: N/A SKIN ABSORPTION: N/A EYE CONTACT: N/A INHALATION:N/A INGESTION: N/A			
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: IRRITATION, EYE REDNESS, WET SKIN RASH IRRITATION, NOSE / THROAT AND RESPIRATORY TRACK IRRITATION, INGESTION MAY CAUSE VOMITING, NAUSEA, GASTRO-INTESINAL UPSET.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: SKIN, PROLONGED OR REPEATED EXSPOSURE MAY CAUSE DRYING, DEFATTING, AND DERMATITIS			
EXPOSURE LIMITS: NOT APPLICABLE	IRRITANCY OF PRODUCT: NOT HAZARDOUS BY WHMISS CRITERIA	SENSATION TO PRODUCT: NOT APPLICABLE	CARCINOGENITY: NOT APPLICABLE
TERATOGENICITY: NOT APPLICABLE	REPRODUCTIVE TOXICITY: NOT APPLICABLE	MUTAGENICITY: NOT APPLICABLE	SYNERGISTIC PRODUCTS: NOT APPLICABLE

SECTION 7--PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:		
GLOVE(SPECIFY): NATURAL RUBBER OR PVC WORKING GLOVES	RESPIRATOR (SPECIFY): NIOSH APPROVED DUST MASK	EYE (SPECIFY): SAFETY GLASSES
FOOTWEAR(SPECIFY): RUBBER SOLE WORKING SHOES(BOOTS)	CLOTHING (SPECIFY): APRON, COVERALL WORKING CLOTHING	OTHER (SPECIFY): NOT APPLICABLE
ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS): NONE REQUIRED		
LEAK AND SPILL PROCEDURE: GATHER SPILL PRODUCT FOR REUSE OR DISPOSAL		
WASTE DISPOSAL: DILUTE WASTE MATERIAL, MAY BE DISPOSED OF ANY NON-HAZARDOUS INORGANIC SALT, REVIEW FEDERAL, PROVINCIAL AND LOCAL GOVERNMENTS PRIOR TO DISPOSAL.		
HANDLING PROCEDURES AND EQUIPMENT: KEEP AWAY FROM INCOMPACTABLE MATERIALS		
STORAGE REQUIREMENTS: STORE IN A DRY AREA, KEEP UNUSED PORTION TIGHTLY CLOSED		
SPECIAL SHIPPING INFORMATION: NOT APPLICABLE		

SECTION 8--FIRST AID MEASURES

SPECIFIC MEASURES:

SKIN - WASH WITH WATER

EYE - WASH WITH WATER FOR AT LEAST 15 MINUTES

INHALATION - REMOVE TO FRESH AIR

INGESTION - DO NOT INDUCE VOMITING, RINSE MOUTH WITH WATER, DRINK 2 TO 4 GLASSES OF WATER

CONTACT PHYSICIAN IF ANY OF THE ABOVE PERSIST.

SECTION 9--PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT):

PHONE NUMBER: **416-259-9647**

DATE: 18 August 2003

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