



Ice Melter

Material Safety Data Sheet

A. GENERAL INFORMATION

TRADE NAME (COMMON NAME): Green Earth Safety Salt – Ice Melter		CAS NUMBER: 7647-14-5 (anhydrous), 7786-30-3(anhydrous),7647-14-5(anhydrous),	
CHEMICAL NAME AND/OR SYNONYM: Halite, Calcium chloride, Magnesium chloride			
FORMULA: NaCl, 97.0 –99.0%, CaCl ₂ , 0.8 – 1.0%, MgCl ₂ 0.2 – 4%		MOLECULAR WEIGHT: 58.4428, 110.98, 95.218	
MANUFACTURER/ADDRESS: Bralan Energy Inc 6800 Baseline Rd Wallaceburg, ON N8A 2K6			
CONTACT: Manager, Quality/Safety and Training	PHONE NUMBER: 1-519-800-5608	LAST ISSUE DATE: NA	CURRENT ISSUE DATE: June, 2015

B. FIRST AID MEASURES

		EMERGENCY PHONE NUMBER: (506) 357-1240 Ext 350
EYES:	Flush promptly with plenty of water, continuing for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.	
SKIN:	Flush with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.	
INHALATION:	Remove to fresh air.	
INGESTION:	If conscious and alert, give 2 to 4 glasses of water. Get medical aid.	

C. HAZARDS INFORMATION

INHALATION: Vapors are unlikely due to physical properties. Mists may cause irritation to the upper respiratory tract.	
INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.	
SKIN: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.	
EYES: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.	
PERMISSIBLE CONCENTRATION: AIR NA	BIOLOGICAL None
UNUSUAL CHRONIC TOXICITY: None.	

C. HAZARDS (Cont.)

FLASH POINT: Not flammable OPEN CUP <input type="checkbox"/> CLOSED CUP <input type="checkbox"/>	AUTO IGNITION TEMPERATURE NA	FLAMMABLE LIMITS IN AIR (% BY VOL.) LOWER - NA UPPER - NA
UNUSUAL FIRE AND EXPLOSION HAZARDS NA		

D. PRECAUTIONS/PROCEDURES

FIRE EXTINGUISHING AGENTS RECOMMENDED: Use extinguishing media appropriate for surrounding fire.	
FIRE EXTINGUISHING AGENTS TO AVOID: None identified	
SPECIAL FIREFIGHTING PRECAUTIONS: None identified	
VENTILATION: None identified	
NORMAL HANDLING: Avoid contact with eyes, skin or clothing. Use good personal hygiene and housekeeping.	
STORAGE: Keep container tightly closed. Suitable for any general chemical storage area.	
SPILL OR LEAK Wear suitable protective clothing. Carefully sweep up and remove.	
SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS: None	SIGNAL WORD

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.
EYES AND FACE: Safety goggles
HANDS, ARMS, AND BODY: Proper gloves are recommended
OTHER CLOTHING AND EQUIPMENT:

F. PHYSICAL DATA

MATERIAL IS AT NORMAL CONDITIONS: LIQUID <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> GAS <input type="checkbox"/>		APPEARANCE AND COLOR: White pellets	
BOILING POINT: 106°C MELTING POINT: -21°C	SPECIFIC GRAVITY: (H ₂ O = 1) 23% NaCl 1.180 @ 60° F 24% NaCl 1.189 25% NaCl 1.197	VAPOR DENSITY: (AIR =1) Not applicable	
SOLUBILITY IN WATER: (% BY WEIGHT) 26% @ 20°C	pH: neutral to slightly acidic	VAPOR PRESSURE: (mm Hg @ 20°C) <input checked="" type="checkbox"/> (PSIG) <input type="checkbox"/> 14 mm Hg @ 20 C	
EVAPORATION RATE: (Butyl acetate=1) <input type="checkbox"/> (Ether = 1.0) <input type="checkbox"/> NA	% VOLATILES BY VOLUME: (AT 20°C) NA		

G. REACTIVITY DATA

STABILITY: UNSTABLE <input type="checkbox"/> STABLE <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: NA
INCOMPATIBILITY (MATERIALS TO AVOID): Potentially explosive reaction with dichloromaleic anhydride + urea. Electrolysis of mixtures with nitrogen compounds may form explosive nitrogen trichloride.	
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of sodium oxide	
HAZARDOUS POLYMERIZATION: MAY OCCUR <input type="checkbox"/> WILL NOT OCCUR <input checked="" type="checkbox"/>	OTHER PRECAUTIONS:

H. HAZARDOUS INGREDIENTS (MIXTURES ONLY)

MATERIAL OR COMPONENT/C.A.S. #	WT. %	HAZARD DATA

I. ENVIRONMENTAL

DEGRADABILITY/TOXICITY: LD50 / LC50: Oral, mouse: LD50 = 4 gm/kg; rat: LD50 = 3 gm/kg		OCTANOL/WATER PARTITION COEFFICIENT NA
EPA HAZARDOUS SUBSTANCE? (CLEAN WATER ACT SECT. 311) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, REPORTABLE QUANTITY:		
WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS): Treatment or disposal of waste generated by use of this product should be reviewed in terms of applicable federal, state and local laws and regulations. Users are advised to consult with appropriate regulatory agencies before discharge, treatment or disposal.		
RCRA STATUS OF <u>UNUSED</u> MATERIAL IF DISCARDED: Not a "hazardous waste".	HAZARDOUS WASTE NUMBER: (IF APPLICABLE) --	

J. REFERENCES

PERMISSIBLE CONCENTRATIONS REFERENCES: None.		
REGULATORY STANDARDS	DOT CLASSIFICATION: Not regulated	
None.		
GENERAL:		

K. ADDITIONAL INFORMATION

This product has a WHMIS classification of D2B
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MRDC-NA1

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