

Material Safety Data Sheet

A. PRODUCT INFORMATION

LIQUID SODIUM CHLORIDE 23%



TRADE NAME (PRODUCT IDENTIFIER):	CLASSIFICATION & SYME	CLASSIFICATION & SYMBOL:	
,	Class D2B		
Sodium Chloride Brine	Glass B2B		
	RMULA:	CAS NO:	
	•		
Liquid Sodium Chloride 23.	3% +/3% NaCl Solution	7647-14-5 (anhydrous)	
PRODUCT USE:			
Deicer, freeze-proofing of ores and aggregates, thawing agent.			
MANUFACTURER/IMPORTER:	SUPPLIER/DISTRIBUTO	PR:	
Trillium Distribution Inc	Pollard Highway Products	3	
2351 Greenfield	Box 280		
Courtright, Ontario	Harrow, Ontario		
N0N 1H0	N0R 1G0		
EMERGENCY TELEPHONE NO: 800-265-5619			
LINENGEROT TELETITIONE NO. 000-200-3019			

B. PREPARATION INFORMATION

PREPARED BY: Pollard Highway Products
Harrow, Ontario
Kevin Pollard

PREVIOUS ISSUE DATE: 01-01-2016

CURRENT ISSUE DATE: 11-15-2017

	CORRENT ISSUE DATE. 11-13-2017	
C. TOXICOLOGICAL PROPERTIES		
INHALATION: Vapours are unlikely due to physical properties. Mists may irritate nose, throat and lungs.		
INGESTION: Low in toxicity. May irritate gastrointestinal tract and cause nausea and vomiting.		
SKIN: May cause skin irritation.		
EYES: May irritate or burn eyes.		
ACUTE TOXICITY: Moderate toxic LD ₅₀ (oral-rat) 1000 mg/kg. Anhydrous basis LD ₅₀ (oral-mouse) 1940 mg/kg Anhydrous basis	EXPOSURE LIMITS: American Conference of Governmental Industrial Hygienists (ACGIH) Threshold limit value – Time Weighted Average (TLV-TWA) guideline for nuisance particulate (liquefied mist) 10 mg/m ³	

CHRONIC TOXICITY: Not applicable					
- PLIVOIGAL DATA					
D. PHYSICAL DATA					
MATERIAL IS AT NORMAL CONDITIONS:	APPEARANC	E AND CO	OLOR:		ODOR THRESHOLD:
LIQUID ⊠ SOLID ☐ GAS ☐	Clear to slightly	y turbid liq	diuk		Odorless
BOILING POINT: 106°C	SPECIFIC GRAVITY: VAPOR DENSITY:		VAPOR DENSITY: (AIR =1)		
FREEZING POINT: -21 °C (MELTING POINT)	(H₂O = 1) 23% NaCl 1.175 @ 27C 24% NaCl 1.184 25% NaCl 1.192			Not applicable	
SOLUBILITY IN WATER: Complete	pH Neutral to sligh		ne		VAPOR PRESSURE: (mm Hg @ 20°C) 14 (PSIG
EVAPORATION RATE: (Ether = 1.0)	% VOLATILES (AT 20°C) Not applicable		.UME:		MOLECULAR WEIGHT: 110.99 as anhydrous CaCl ₂
Not applicable					COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available
E. REACTIVITY DATA STABILITY: COI	NDITIONS TO A	VOID:			
	applicable	. •			
INCOMPATIBILITY (MATERIALS TO AVOID): Reacts with most nonnoble metals such as iron or Electrolysis of mixtures with nitrogen compounds i	INCOMPATIBILITY (MATERIALS TO AVOID): Reacts with most nonnoble metals such as iron or steel, bromine, or trifluoride. 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 ixide.					
HAZARDOUS POLYMERIZATION:			OTHER PREC	CAUTIONS:	
WILL NOT OCCUR ⊠ MAY OCCUR □					
F. FIRE OR EXPLOSION HAZARD					
CONDITIONS OF FLAMMABILITY: Not applicable			FLASH POINT		
HAZARDOUS COMBUSTION PRODUCTS: None					
W B UPPER FLAMMABLE LIMIT: NA	SY VOL. IN AIR		SION HAZARDS		
LOWER FLAMMABLE LIMIT: NA		See Sec	ction E-Incompati	tibility.	
AUTOIGNITION TEMPERATURE: °C					
SENSITIVITY TO MECHANICAL IMPACT: Not applicable					
SENSITIVITY TO STATIC DISCHARGE: Not applicable					

FIRE EXTINGUISHING PROCEDURES:
Use extinguisher media appropriate for surrounding fire. For fire fighting wear NIOSH-approved self-contained breathing apparatus.

G. HAZARDOUS INGREDIENTS (MIXTURES ONLY)

MATERIAL OR COMPONENT/C.A.S. #	CONCENTRATION	HAZARD DATA
Not applicable		

H. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

For misty conditions, wear NIOSH-approved mist respirator.

Respirator should not contain any metals corrodible by these solutions.

EYES AND FACE:

For misty conditions, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles and hard hat. Under these conditions, do not wear contact lenses.

HANDS, ARMS, AND BODY:

As a minimum, wear long-sleeve shirt and trousers, impervious boots, gloves and apron, for routine product use.

STORAGE:

Keep container closed. Protect from physical damage. Do not store in metals which this solution corrodes. See Section E.

NORMAL HANDLING:

Avoid contact with eyes, skin or clothing. Avoid breathing mist. Use good personal hygiene and housekeeping.

ENGINEERING CONTROLS:

Ventilation: Provide general and/or local exhaust ventilation to maintain mist or vapor levels below exposure limits.

Eye wash facility should be provided in storage and general work area.

ENVIRONMENTAL:

DEGRADABILITY:	AQUATIC TOXICITY:
Not applicable	Harmful to aquatic life at concentrations greater than 500 ppm. NaCl does
	not bioaccumulate. TL _m 96>1000 mg/1
	_

SPILL OR LEAK (ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT):

Dilute small spills cautiously with plenty of water. Mop into metal drum and cover. (Many metals are slowly corroded by these solutions.) Cautiously spray residue with plenty of water. **Large spills:** dike up with any available absorbent (commercial, sand, etc.). Pump into same containers, and treat as above.

WASTE DISPOSAL:

Consistent with the requirements of local waste disposal authorities.

CANADIAN SHIPPING INFORMATION:		
TDGA CLASS:	PIN:	LABEL:
Not applicable		

I. FIRST AID MEASURES

INHALATION:
Promptly remove to fresh air. Get medical attention if any discomfort from inhalation.
INGESTION:
If conscious, immediately give 2 to 4 glasses of water, and induce vomiting under medical supervision. Get medical attention promptly.
SKIN:
Remove contaminated clothing. Wash with plenty of soap and running water. Get medical attention if irritation persists.
EYES:
Flush eyes promptly with plenty of running water, continuing for at least 15 minutes. Get medical attention.

THIS MATERIAL SAFETY DATA SHEET IS OFFERED FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION AS REQUIRED BY FEDERAL HAZARDOUS PRODUCTS ACT AND RELATED LEGISLATION. THE INFORMATION IS BELIEVED TO BE ACCURATE BUT GENERAL CHEMICAL CANADA LTD. PROVIDES NO WARRANTIES, EITHER EXPRESSED OR IMPLIED.