

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME:	SAFETY MELT	Emergency TEL: CANUTEC
PRODUCT USE:	De-icer	(613) 996-6666
MANUFACTURERS NAME	NORA SYSTEMS INC.	
ADDRESS:	7807 Argyll Road, Edmonton, Alberta T6C 4A9	
SUPPLIER:	NORA SYSTEMS INC.	
WHMIS CLASSIFICATION:	Not controlled.	
TDG CLASSIFICATION:	Not regulated.	

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Ammonium Sulphate	60-100	7783-20-2	ACGIH TLV 10 mg/m3 LD50 (Oral, Rat) 3g/Kg LD50 (Oral, man) 1.5 g/kg

SECTION III PHYSICAL DATA

PHYSICAL STATE	Solid	VAPOUR PRESSURE:(mmHg)	n.av.
COLOUR:	Colorless or white crystals	VAPOUR DENSITY:(AIR=1)	n.av.
ODOUR:	n.av.	EVAPORATION RATE:	n.av.
DECOMPOSES:	280 C. Deg.	SPECIFIC GRAVITY:	1.1
FREEZING POINT:	Effective to -20 C. Deg.	pH:	1%sol.7.0
SOLUBILITY:	70%	ODOUR THRESHHOLD:	n.av.
		COEFFICIENT OF WATER/OIL:	n.av.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): **n.av.**

FLAMMABILITY LIMITS IN AIR, % BY VOLUME: **Non- Flammable** LOWER: **n.av.** UPPER: **n.av.**

AUTO- IGNITION TEMPERATURE: **n.av.**

MEANS OF EXTINCTION: **Water spray.**

HAZARDOUS COMBUSTION PRODUCTS: **Ammonia and sulphur.**

SPECIAL FIREFIGHTING PROCEDURES: **Use fire spray to cool fire exposed surfaces. Use self-contained breathing apparatus.**

EXPLOSION DATA-SENSIVITY TO MECHANICAL IMPACT: **n.av.**

EXPLOSION DATA-SENSIVITY TO STATIC DISCHARGE: **n.av.**

SECTION V REACTIVITY DATA

CHEMICAL STABILITY: **Stable.**

CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS): **Base. Contact with alkaline material librates ammonia.**

HAZARDEOUS DECOMPOSITION PRODUCTS: **See Hazardous combustion products.**

SECTION VI TOXIOLOGICAL PROPERTIES

ROUTE OF ENTRY-	SKIN CONTACT:	X	EYE CONTACT:	X
	INGESTION:	X	INHALATION:	X

EFFECTS OF EXPOSURE- ACUTE AND CHRONIC:

Inhalation- **No harmful effects expected. May cause upper respiratory tract irritation.**

Skin-**Prolonged contact may cause discomfort and mild irritation.**

Eyes- **May cause mild to moderate eye irritation.**

Ingestion- **Low to moderate toxicity. Ingestion of large amounts may cause injury.**

EXPOSURE LIMITS: **n.av.**

SENSITIZATION TO PRODUCT: **n.av.**

CARCINODENICITY: **n.av.**

REPRODUCTIVE TOXICITY: **n.av.**

TERATOGENICITY: **n.av.**

MUTAGENICITY: **n.av.**

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: **None known.**

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SECTION VII PERSONAL PROTECTIVE EAQUIPMENT

GLOVES: Leather gloves should be worn.
EYES: Safety glasses recommended.
FOOTWEAR: Appropriate work footwear.
RESPIRATOR: A dust mask should be worn.
CLOTHING: Coveralls should be worn to prevent contact with skin and clothing.

SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIRMENTS: Store in dry place.
SHIPPING INFORMATION: As per TDG regulations.
LEAK AND SPILLAGE PROCEDURES: Scoop or sweep up material and place in suitable container for recycling or disposal. For small spills, flush with plenty of water.
HANDLING PROCEDURES: Keep container closed when not in use.
WASTE DISPOSAL: Dispose at landfill site according to federal, provincial and local regulations.
SPECIAL ENGINEERING CONTROLS: Local ventilation recommended.

SECTION IX FIRST AID MEASURE

EYES: Flush with plenty of water for 15 minutes. If irritation persists, get medical attention.
SKIN: Wash off with water.
INGESTION: Induce vomiting if large amounts are swallowed. Get medical attention.
INHALATION: Remove to fresh air if effects occur. Consult a physician.

SECTION X PREPARATION INFORMATION

PREPARED BY: TECHNICAL DEPARTMENT

TELEPHONE: 780-448-0145

DATE: JANUARY 2008

IMPORTANT: The information presented herein is believed to be accurate and is offered only as a guide. Users should make their own tests to determine the suitability of these products for their own particular purposes. Users assume all risk of use, storage and handling of the product. No warranty, express or implied, is made including, but no limited to, implied warranties of merchantability and fitness for a particular purpose. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe any patents.

n.av. - Not Available

n.ap- Not applicable