

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT IDENTIFICATION**

PRODUCT NAME:	<b>ENZYME DETERGENT</b>	Emergency TEL: CANUTEC
PRODUCT USE:	Laundry Detergent	(613) 996-6666
MANUFACTURERS NAME	NORA SYSTEMS INC.	
ADDRESS:	7807 Argyll Road, Edmonton, Alberta T6C 4A9	
SUPPLIER:	NORA SYSTEMS INC.	
WHMIS CLASSIFICATION:	D2B-Toxic	
TDG CLASSIFICATION:	Not Regulated	

**SECTION II HAZARDOUS INGREDIENTS**

<b>MATERIAL</b>	<b>%</b>	<b>CAS NUMBER</b>	<b>TOXITY DATA: LD50, LC50</b>
Sodium Carbonate	15-40	497-19-8	LD50 (Oral, Rat) 6.6g/Kg
Sodium Metasilicate Pentahydrate	3-7	6834-92-0	LD50 (Oral, Rat) 0.8g/kg
Sodium Sulphate	30-60	7757-82-6	LD50 (Oral, Rat) 5.99g/Kg
Sodium Tripolyphosphate	5-10	7758-29-4	LD50 (Oral, Rat) 6.5g/Kg

**SECTION III PHYSICAL DATA**

PHYSICAL STATE	<b>Solid (Powder)</b>	VAPOUR PRESSURE:(mmHg)	<b>n.av.</b>
COLOUR:	<b>Blue</b>	VAPOUR DENSITY:(AIR=1)	<b>n.av.</b>
ODOUR:	<b>Lemon</b>	EVAPORATION RATE:	<b>n.av.</b>
BOILING POINT:	<b>n.ap.</b>	SPECIFIC GRAVITY:	<b>1</b>
FREEZING POINT:	<b>n.ap.</b>	pH:	<b>10</b>
SOLUBILITY:	<b>100% in water</b>	ODOUR THRESHHOLD:	<b>n.av.</b>
		COEFFICIENT OF WATER/OIL:	<b>n.av.</b>

**SECTION IV FIRE AND EXPLOSION DATA**

FLASH POINT (TEST METHOD):	<b>n.ap.</b>
FLAMMABILITY LIMITS IN AIR, % BY VOLUME: <b>Non-flammable</b>	LOWER: <b>n.ap.</b> UPPER: <b>n.ap.</b>
AUTO- IGNITION TEMPERATURE:	<b>n.ap.</b>
MEANS OF EXTINCTION:	<b>as for surrounding fire</b>
HAZARDOUS COMBUSTION PRODUCTS:	<b>n.av.</b>
SPECIAL FIREFIGHTING PROCEDURES:	<b>as for surrounding fire</b>
EXPLOSION DATA-SENSIVITY TO MECHANICAL IMPACT:	<b>n.ap.</b>
EXPLOSION DATA-SENSIVITY TO STATIC DISCHARGE:	<b>n.ap.</b>

**SECTION V REACTIVITY DATA**

CHEMICAL STABILITY:	<b>Stable.</b>
CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS):	<b>Acids, moisture, and aluminum.</b>
HAZARDEOUS DECOMPOSITION PRODUCTS:	<b>Hydrogen</b>

**SECTION VI TOXIOLOGICAL PROPERTIES**

ROUTE OF ENTRY-	SKIN CONTACT:	<b>X</b>	EYE CONTACT:	<b>X</b>
	INGESTION:	<b>X</b>	INHALATION:	<b>X</b>

EFFECTS OF EXPOSURE- ACUTE AND CHRONIC:  
 Inhalation- **May irritate nose, throat and upper respiratory tract.**  
 Skin-**irritant.**

Eyes- **May cause inflammation.**  
 Ingestion-**May cause nausea, vomiting or gastrointestinal pain.**

EXPOSURE LIMITS:	<b>n.av.</b>
SENSITIZATION TO PRODUCT:	<b>n.av.</b>
CARCINODENICITY:	<b>n.av.</b>
REPRODUCTIVE TOXICITY:	<b>n.av.</b>
TERATOGENICITY:	<b>n.av.</b>
MUTAGENICITY:	<b>n.av.</b>
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	<b>None known.</b>

**NORA SYSTEMS INC.**  
ENZYME DETERGENT

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**SECTION VII PERSONAL PROTECTIVE EQUIPMENT**

GLOVES: n.av.  
EYES: n.av.  
FOOTWEAR: n.av.  
RESPIRATOR: n.av.  
CLOTHING: n.av.

**SECTION VIII PREVENTIVE MEASURES**

STORAGE REQUIRMENTS: Store in a cool, dry place away from incompatibles.  
SHIPPING INFORMATION: Do not expose to extreme temperatures.  
LEAK AND SPILLAGE PROCEDURES: Contain and pick up. Dispose in regulated containers.  
HANDLING PROCEDURES: Keep container closed when not in use to prevent caking.  
WASTE DISPOSAL: In accordance with government regulations.  
SPECIAL ENGINEERING CONTROLS: Use in a ventilated work space.

**SECTION IX FIRST AID MEASURE**

EYES: Flush with running water for 15 minutes. If irritation persists, seek medical help.  
SKIN: Wash with non-abrasive soap and rinse thoroughly.  
INGESTION: DO NOT induce vomiting. Drink plenty of water. Get medical help.  
INHALATION: Remove person to fresh air. Allow to rest.

**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