

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT IDENTIFICATION**

PRODUCT NAME:	<b>HD DEGREASER</b>	Emergency TEL: CANUTEC
PRODUCT USE:	Industrial Degreaser	(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>
Ethylene Glycol Monobutyl Ether	3-7	11-76-2	LD50 (Oral, Rat) 1.75g/Kg
Sodium Hydroxide	1-5	1310-73-2	LD50 (Oral, Mice) 50mg/kg
Sodium Xylene Sulfonate	3-7	1300-72-7	LD50 (Oral, Rat) 650mg/Kg
Sodium Metasilicate	1-5	6834-92-0	LD50 (Oral, Mouse) 770mg/Kg

**SECTION III PHYSICAL DATA**

PHYSICAL STATE	<b>Liquid</b>	VAPOUR PRESSURE:(mmHg)	<b>n.av.</b>
COLOUR:	<b>Clear Green</b>	VAPOUR DENSITY:(AIR=1)	<b>n.av.</b>
ODOUR:	<b>Butyl Odour</b>	EVAPORATION RATE:	<b>n.av.</b>
BOILING POINT:	<b>100Deg.C.</b>	SPECIFIC GRAVITY:	<b>1.079</b>
FREEZING POINT:	<b>n.av.</b>	pH:	<b>13.5</b>
SOLUBILITY:	<b>100%</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.av.</b>
FLAMMABILITY LIMITS IN AIR, % BY VOLUME: LOWER:	<b>n.av.</b>
UPPER:	<b>n.av.</b>
AUTO- IGNITION TEMPERATURE:	<b>n.av.</b>
MEANS OF EXTINCTION:	<b>Water fog, CO2 or dry chemical.</b>
HAZARDOUS COMBUSTION PRODUCTS:	<b>Carbon and nitrogen oxides.</b>
SPECIAL FIREFIGHTING PROCEDURES:	<b>as for surrounding fire.</b>
EXPLOSION DATA-SENSIVITY TO MECHANICAL IMPACT:	<b>n.av.</b>
EXPLOSION DATA-SENSIVITY TO STATIC DISCHARGE:	<b>n.av.</b>

**SECTION V REACTIVITY DATA**

CHEMICAL STABILITY:	<b>Stable.</b>
CHEMICAL INCOMPATIBILITY (MATERIAL & CONDITIONS):	<b>Acids, Oxidizing agents.</b>
HAZARDEOUS DECOMPOSITION PRODUCTS:	<b>n.av.</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- <b>Irritation of respiratory tract.</b>				
Skin- <b>Will cause irritation.</b>				
Eyes- <b>Severe irritation. May cause burns.</b>				
Ingestion- <b>Burning mouth and esophagus, nausea, vomiting, abdominal pain and diarrhea.</b>				
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>			

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### SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES:	Rubber gloves.
EYES:	Safety glasses with sideshield.
FOOTWEAR:	n.av.
RESPIRATOR:	A mask should be worn.
CLOTHING:	Coveralls should be worn.

### SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIRMENTS:	Store in ventilated area above freezing temperature away from incompatibles. <b>Keep container closed when not in use.</b>
SHIPPING INFORMATION:	n.av.
LEAK AND SPILLAGE PROCEDURES:	Flush with water and mop up. Large spills should be neutralized with dilute acid like hydrochloric or sulfuric acid.
HANDLING PROCEDURES:	Store in ventilated area above freezing temperature away from incompatibles. <b>Keep container closed when not in use.</b>
WASTE DISPOSAL:	In accordance with federal, provincial and local regulations.
SPECIAL ENGINEERING CONTROLS:	Use in well ventilated area with access to safety equipment.

### SECTION IX FIRST AID MEASURE

EYES:	Flush with running water for 15 minutes. If irritation persists, seek medical help.
SKIN:	Flush with plenty of running water.
INGESTION:	<b>DO NOT</b> induce vomiting. Drink milk, egg whites, gelatin solution or large quantities of water. plenty of water. Get immediate medical attention.
INHALATION:	Remove person to fresh air. Get medical attention if respiratory irritation occurs.

### SECTION X PREPARATION INFORMATION

PREPARED BY:	TECHNICAL DEPARTMENT
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TELEPHONE:	780-448-0145
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DATE:	JANUARY 2008
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**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