

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT IDENTIFICATION**

PRODUCT NAME:	<b>APPEAL</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:	E-Corrosive	
TDG CLASSIFICATION:	Not Regulated	

**SECTION II HAZARDOUS INGREDIENTS**

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Sodium Peraborate Tetrahydrate	1-5	10486-00-7	LD50 (Oral, Rat) 2.24 g/kg
Sodium Aluminosilicate	30-60	68989-22-0	n.av
Sodium Carbonate	10-30	497-19-8	LD50 (Oral, Rat) 4.07g/kg
Sodium Metasilicate	5-10	6845-92-0	n.av.
Subtilisin Protease	0.1-1	9014-01-1	n.av.
Ethoxylated Alcohols	5-10	9016-45-9	n.av.
Sodium Dodecylbenzene Sulphate	1-5	25155-30-0	LD50 (Oral, Rat) 438 mg/kg

**SECTION III PHYSICAL DATA**

PHYSICAL STATE	<b>Solid</b>	VAPOUR PRESSURE:(mmHg)	n.ap.
COLOUR:	<b>White</b>	VAPOUR DENSITY:(AIR=1)	n.ap.
ODOUR:	<b>Odourless</b>	EVAPORATION RATE:	n.ap.
BOILING POINT:	<b>n.ap.</b>	SPECIFIC GRAVITY:	<b>1.00</b>
FREEZING POINT:	<b>n.ap.</b>	pH:	<b>Alkaline</b>
SOLUBILITY:	<b>Soluble in water</b>	ODOUR THRESHHOLD:	n.av.
		COEFFICIENT OF WATER/OIL:	n.av.

**SECTION IV FIRE AND EXPLOSION DATA**

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

**SECTION V REACTIVITY DATA**

CHEMICAL STABILITY:	Stable.
CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS):	<b>Moisture, acids.</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 respiratory tract.**  
 Skin- **Irritant. May cause dermatitis.**  
 Eyes- **May cause irritation.**  
 Ingestion- **May cause nausea, vomiting and diarrhea.**

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:	<b>None known.</b>

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**SECTION VII PERSONAL PROTECTIVE EQUIPMENT**

GLOVES: Leather or rubber gloves should be worn.  
EYES: Safety glasses.  
FOOTWEAR: Safety boots.  
RESPIRATOR: Dust mask or ventilator.  
CLOTHING: Long-sleeved clothing.

**SECTION VIII PREVENTIVE MEASURES**

STORAGE REQUIRMENTS: Store in a cool, dry place away from incompatibles.  
SHIPPING INFORMATION: Do not expose to wet conditions.  
LEAK AND SPILLAGE PROCEDURES: Contain spill and pick up. Recycle if possible.  
HANDLING PROCEDURES: Keep container closed to prevent caking.  
WASTE DISPOSAL: In accordance with all government regulations.  
SPECIAL ENGINEERING CONTROLS: Use in a 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 attention.  
SKIN: Wash with non-abrasive soap and flush with plenty of water.  
INGESTION: Drink plenty of milk or water. Seek medical help.  
INHALATION: Remove to a ventilated area. 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 not 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