

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 PRODUCT IDENTIFICATION**

PRODUCT NAME:	<b>SILVER PRESOAK</b>	Emergency TEL: CANUTEC
PRODUCT USE:	Silverware Cleaner	(613) 996-6666
MANUFACTURERS NAME	NORA SYSTEMS INC.	
ADDRESS:	7807 Argyll Road, Edmonton, Alberta T6C 4A9	
SUPPLIER:	NORA SYSTEMS INC.	
WHMIS CLASSIFICATION:	E-Corrosive	D2-Toxic
TDG CLASSIFICATION:	Corrosive Solid Class 9.2 UN 9148 PG III	

**SECTION II HAZARDOUS INGREDIENTS**

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Sodium Carbonate	60-100	497-19-8	LD50 (Oral, Rat) 4g/kg
Phosphoric Acid	10-30	10101-89-0	LD50 (Oral, Rat) 7.4g/Kg

**SECTION III PHYSICAL DATA**

PHYSICAL STATE	<b>Solid</b>	VAPOUR PRESSURE:(mmHg)	n.av.
COLOUR:	<b>Blue</b>	VAPOUR DENSITY:(AIR=1)	n.av.
ODOUR:	<b>No odour</b>	EVAPORATION RATE:	n.av.
BOILING POINT:	n.av.	SPECIFIC GRAVITY:	n.av.
FREEZING POINT:	n.av.	pH:	<b>Alkaline</b>
SOLUBILITY:	<b>100%</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: **Non Flammable** LOWER: n.ap. UPPER: n.ap.

AUTO- IGNITION TEMPERATURE: n.ap.

MEANS OF EXTINCTION: **As for surrounding fire.**

HAZARDOUS COMBUSTION PRODUCTS: **Carbon oxides.**

SPECIAL FIREFIGHTING PROCEDURES: **As for surrounding fire.**

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

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

**SECTION V REACTIVITY DATA**

CHEMICAL STABILITY: **Stable under normal conditions.**

CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS): **Acids, metals.**

HAZARDEOUS DECOMPOSITION PRODUCTS: **Carbon oxides, hydrogen gas.**

**SECTION VI TOXIOLOGICAL PROPERTIES**

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

EFFECTS OF EXPOSURE- ACUTE AND CHRONIC:

Inhalation- **Irritation of the respiratory tract, inflammation of the lungs.**

Ingestion- **Will cause burning in the mouth and esophagus, nausea, abdominal pain and diarrhea.**

Eyes- **Severe irritation. May cause conjunctival edema.**

Skin- **Will cause irritation of the skin. May cause burns and dermatitis.**

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>

SILVER PRESOAK

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**SECTION VII PERSONAL PROTECTIVE EQUIPMENT**

GLOVES: Rubber.  
EYES: Chemical worker goggles.  
FOOTWEAR: n.av.  
RESPIRATOR: A mask should be worn.  
CLOTHING: Coveralls.

**SECTION VIII PREVENTIVE MEASURES**

STORAGE REQUIRMENTS: Store in a cool, dry area away from acids. Prolonged storage may cause product to cake and become wet from atmospheric moisture.  
SHIPPING INFORMATION: As per TDG regulations.  
LEAK AND SPILLAGE PROCEDURES: Sweep, scoop or vacuum discharged material. Flush residue with water. Observe environmental regulations.  
HANDLING PROCEDURES: Keep container closed when not in use.  
WASTE DISPOSAL: Neutralize with diluted acid and landfill solids according to local, provincial and federal regulations.  
SPECIAL ENGINEERING CONTROLS: Use with adequate ventilation.

**SECTION IX FIRST AID MEASURE**

EYES: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.  
SKIN: Flush with plenty of water.  
INGESTION: Do not induce vomiting. Drink milk, egg whites, gelatin solution or large quantities of water. Get immediate medical attention.  
INHALATION: Remove from exposure. Get fresh air.

**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