

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME:	SOUR EXTRA	Emergency TEL: CANUTEC
PRODUCT USE:	Laundry Sour	(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:	Hydroflourosilicic Acid Solution, Class 8 (9.2) UN 1805 PG III	

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Hydroflourosilicic acid	10-30	016961-83-4	LDL0 (Oral, Rat) 140 mg/kg

SECTION III PHYSICAL DATA

PHYSICAL STATE	liquid	VAPOUR PRESSURE:(mmHg)	n.av.
COLOUR:	Pink	VAPOUR DENSITY:(AIR=1)	n.av.
ODOUR:	Perfumed odour	EVAPORATION RATE:	n.av.
BOILING POINT:	100 Deg. C.	SPECIFIC GRAVITY:	1.036
FREEZING POINT:	n.av.	pH:	2.5
SOLUBILITY:	100% in water	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 COMBUSION PRODUCTS: **Hydrogen chloride, methyl chloride, phosphorus oxide fumes.**

SPECIAL FIREFIGHTING PROCEDURES: **Wear full protective clothing and 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): **Metal nitrates, Alkalis, Oxidizing material, cyanides, sulfides, and metals.**

HAZARDEOUS DECOMPOSITION PRODUCTS: **Phosphorus oxides.**

SECTION VI TOXIOLOGICAL PROPERTIES

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

EFFECTS OF EXPOSURE- ACUTE AND CHRONIC:

Inhalation- **May cause irritation of mucous membranes.**

Ingestion- **Cause diarrhea, nausea, vomiting, cramps, gastrointestinal irritation.**

Eyes- **Severe irritant, may cause chemical burns.**

Skin- **Will cause irritation of the skin. Repeated contact can cause defatting and dermatitis.**

EXPOSURE LIMITS:	phosphoric Acid- TLV: 1 mg/m3 from ACGIH
SENSITIZATION TO PRODUCT:	n.av.
CARCINODENICITY:	n.av.
REPRODUCTIVE TOXICITY:	n.av.
TERATOGENICITY:	n.av.
MUTAGENICITY:	n.av.

NORA SYSTEMS INC.

Sour Extra

Page 2 of 2

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TOXICOLOGICALLY SYNERGISTIC PRODUCTS: **None known.**

SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES: **May be worn.**
EYES: **Safety glasses with side shields.**
FOOTWEAR: **n.av.**
RESPIRATOR: **A mask may be worn.**
CLOTHING: **Coveralls may be worn.**

SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIRMENTS: **Store in a cool, dry place away from incompatibles.**
SHIPPING INFORMATION: **As per TDG regulations.**
LEAK AND SPILLAGE PROCEDURES: **For smaller spills, flush off with water. For larger spills, dyke and salvage.**
HANDLING PROCEDURES: **Keep container close when not in use.**
WASTE DISPOSAL: **As requires by local, provincial and federal regulations.**
SPECIAL ENGINEERING CONTROLS: **Use in a well- ventilated area with access to safety equipment.**

SECTION IX FIRST AID MEASURE

EYES: **Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.**
SKIN: **Wash off with water. If irritation persists, get medical attention.**
INGESTION: **Do not induce vomiting. Give patient large quantities of water. Get medical attention.**
INHALATION: **Remove from exposure. If discomfort persists, get medical attention.**

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