

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME:	DESTAINER/SANITIZER	Emergency TEL: CANUTEC
PRODUCT USE:	Chlorine Bleach	(613) 996-6666
MANUFACTURERS NAME:	NORA SYSTEMS INC.	
ADDRESS:	7807 Argyll Road, Edmonton, Alberta T6C 4A9	
SUPPLIER:	NORA SYSTEMS INC.	
WHMIS CLASSIFICATION:	D- Toxic C-Oxidizer E-Corrosive	F-Reactive
TDG CLASSIFICATION:	Corrosive liquid, Class 8 (9.2) PIN 1791PG II	

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Sodium Hypochlorite	10-30	7681-52-9	LD50 (Oral, Rat) 5 g/Kg LD50 (Dermal, Rat) 3 g/Kg

SECTION III PHYSICAL DATA

PHYSICAL STATE	liquid	VAPOUR PRESSURE:(mmHg)	17.5 mmHg at 20 Deg. C
COLOUR:	Pale Yellow	VAPOUR DENSITY:(AIR=1)	n.av.
ODOUR:	Chlorine smell	EVAPORATION RATE:	n.av.
BOILING POINT:	n.av.	SPECIFIC GRAVITY:	1.17
FREEZING POINT:	-25 Deg. C.	pH:	9-10
SOLUBILITY:	100%	ODOUR THRESHHOLD:	n.av.
		COEFFICIENT OF WATER/OIL:	More soluble in water

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:	Hydrogen Chloride fumes.
SPECIAL FIREFIGHTING PROCEDURES:	Use self-contained breathing apparatus and full protective gear.
EXPLOSION DATA-SENSIVITY TO MECHANICAL IMPACT:	n.ap.
EXPLOSION DATA-SENSIVITY TO STATIC DISCHARGE:	n.ap.

SECTION V REACTIVITY DATA

CHEMICAL STABILITY:	Decreases with heat, light exposure, decrease in pH and contamination with heavy metals.
CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS):	Acid, Ammonia, and Metals.
HAZARDEOUS DECOMPOSITION PRODUCTS:	Oxygen, chlorine.

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 severe bronchial irritation, pulmonary edema.**
 Skin- **May cause irritation**.
 Eyes- **Keep away from eyes. May cause severe irritation.**
 Ingestion-**Do not take internally. Ingestion may cause corrosion of mucous membranes, esophageal or gastric perforation, laryngeal edema. May cause an be fatal if ingested.**

EXPOSURE LIMITS: **Sodium Hypochlorite- CEILING OEL: 3ppm**
 SENSITIZATION TO PRODUCT: **Repeated exposure may cause general deterioration of health due to accumulation in the body.**

ARCINODENICITY: **n.av.**
 REPRODUCTIVE TOXICITY: **n.av.**
 TERATOGENICITY: **n.av.**
 MUTAGENICITY: **n.av.**

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Destainer/Sanitizer

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TOXICOLOGICALLY SYNERGISTIC PRODUCTS: **None known.**

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SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES:	Rubber or neoprene gloves.
EYES:	Safety glasses with side shield.
FOOTWEAR:	Rubber boots.
RESPIRATOR:	Mask.
CLOTHING:	Apron.

SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIREMENTS:	Keep container closed in a cool, dry place.
SHIPPING INFORMATION:	Do not expose to extreme temperatures.
LEAK AND SPILLAGE PROCEDURES:	May be neutralized with sodium sulphite, sodium disulphite or diluted hydrogen peroxide.
HANDLING PROCEDURES:	Container should be kept closed when not in use.
WASTE DISPOSAL:	Flush with water for small spills. Dispose according to environmental regulations.
SPECIAL ENGINEERING CONTROLS:	Eyewash, safety shower, safety clothing and a well ventilated area for use.

SECTION IX FIRST AID MEASURE

EYES:	Flush thoroughly with water for 15 minutes. Get medical attention.
SKIN:	Flush with plenty of water. For severe exposure, get medical attention.
INGESTION:	Drink large quantities of milk or water. Take sodium bicarbonate as an antidote. DO NOT induce vomiting. Get medical attention.
INHALATION:	Get fresh air. Keep victim warm and at 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