

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: **OXYGEN BLEACH** Emergency TEL: CANUTEC
 PRODUCT USE: Bleach (613) 996-6666
 MANUFACTURERS NAME: NORA SYSTEMS INC.
 ADDRESS: 7807 Argyll Road, Edmonton, Alberta T6C 4A9
 SUPPLIER: NORA SYSTEMS INC.
 WHMIS CLASSIFICATION: D1B- Poison C-Oxidizer E-Corrosive F-Reactive
 TDG CLASSIFICATION: Hydrogen Peroxide solution, Class 5 (8) UN2014 PG II

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Hydrogen Peroxide	30-50	7722-84-1	LD50 (Oral, Mouse) 2000mg/Kg LC50 (Vapour, Rat) 1437ppm (4 Hours)

SECTION III PHYSICAL DATA

PHYSICAL STATE	liquid	VAPOUR PRESSURE:(mmHg)	18 mmHg at 20 Deg. C
COLOUR:	Clear	VAPOUR DENSITY:(AIR=1)	1
ODOUR:	Slightly Pungent Odour	EVAPORATION RATE:	>1(Butyl Acetate)
BOILING POINT:	108Deg.C.	SPECIFIC GRAVITY:	1.132
FREEZING POINT:	-32 Deg. C.	pH:	1.15
SOLUBILITY:	100%	ODOUR THRESHHOLD:	n.av.
		COEFFICIENT OF WATER/OIL:	n.av.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): **n.av.**
 FLAMMABILITY LIMITS IN AIR, % BY VOLUME: LOWER: **n.av.** UPPER: **n.av.**
 AUTO- IGNITION TEMPERATURE: **n.av.**
 MEANS OF EXTINCTION: **Do not use water jet. Water fog.**
 HAZARDOUS COMBUSION PRODUCTS: **n.av.**
 SPECIAL FIREFIGHTING PROCEDURES: **Wear full protective gear 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): **Combustible materials, metals, and alkalis.**
 HAZARDEOUS DECOMPOSITION PRODUCTS: **n.av.**

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 produce severe irritation and inflammation of respiratory tract.**

Skin- **Contact may result in irritation, white discoloration and burns.**

Eyes-**Keep away from eyes. May cause severe irritation and corneal burns.**

Ingestion-**Do not take internally. Ingestion may cause irritation and corrosion of mucous membranes, esophageal or gastric tracts.**

EXPOSURE LIMITS: **Hydrogen Peroxide-TWA: 1 CEIL: 2ppm**

SENSITIZATION TO PRODUCT: **n.av.**

CARCINODENICITY: **n.av.**

REPRODUCTIVE TOXICITY: **n.av.**

TERATOGENICITY: **n.av.**

MUTAGENICITY: **n.av.**

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: **None known.**

NORA SYSTEMS INC.

Oxygen Bleach

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SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES:	Rubber or neoprene.
EYES:	Splash goggles.
FOOTWEAR:	n.av.
RESPIRATOR:	Wear respirator when ventilation is inadequate.
CLOTHING:	Coveralls or apron.

SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIREMENTS:	Container should be closed when not in use. Store away from heat, direct light source and organic material.
SHIPPING INFORMATION:	As per TDG regulations.
LEAK AND SPILLAGE PROCEDURES:	May be neutralized with sodium sulphite or sodium bisulphite after diluting with water to 50% or less.
HANDLING PROCEDURES:	Container should be kept closed when not in use. Store away from heat, direct light source and organic material.
WASTE DISPOSAL:	Flush with water for small spills. Dispose according to environmental regulations. May be drained through scrap metal pile.
SPECIAL ENGINEERING CONTROLS:	Use in well-ventilated area with access to safety equipment.

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 no more than 2 glasses of water. DO NOT induce vomiting. Get medical help.
INHALATION:	Get fresh air. Keep victim warm and at rest. For prolonged inhalation, 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