

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME:	OVEN/GRILL CLEANER	Emergency TEL: CANUTEC
PRODUCT USE:	Grill/Oven 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	
TDG CLASSIFICATION:	Potassium Hydroxide Solution Class 8 (9.2) PIN 1814 PG II	

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TOXITY DATA: LD50, LC50
Potassium Hydroxide (45% sol.)	15-40	1310-58-3	LD50 (Oral, Rat) 365 mg/kg TLV 2mg/m3 Ceiling OEL 2mg/m3

SECTION III PHYSICAL DATA

PHYSICAL STATE	liquid	VAPOUR PRESSURE:(mmHg)	2mm Hg at 20 Deg. C
COLOUR:	Pale yellow	VAPOUR DENSITY:(AIR=1)	n.av.
ODOUR:	n.av.	EVAPORATION RATE:	n.av.
BOILING POINT:	n.av.	SPECIFIC GRAVITY:	1.12
FREEZING POINT:	n.av.	pH:	1.12
SOLUBILITY:	100%	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:	Water fog, dry chemical
HAZARDOUS COMBUSION 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.
CHEMICAL INCOMPATABILITY (MATERIAL & CONDITIONS):	Heat and oxidizing materials.
HAZARDEOUS DECOMPOSITION PRODUCTS:	Carbon and sodium 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- **Mist and dust may cause irritation to respiratory tract, inflammation of lungs.**

Skin-**Severe irritation and burns to the skin. Damage may be delayed.**

Eyes-**Causes severe irritation to the mucous membranes of the eyes. May cause ulceration of the eye. Glaucoma, cataracts and permanent blindness may occur.**

Ingestion- **Burning in mouth and esophagus, nausea, vomiting, abdominal pain and diarrhea. Perforation of gastrointestinal tract may occur. May be fatal.**

EXPOSURE LIMITS: **Potassium Hydroxide-TLV: 2 mg/m³**

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

CARCINODENICITY: **n.av.**

REPRODUCTIVE TOXICITY: **n.av.**

TERATOGENICITY: **n.av.**

MUTAGENICITY: **n.av.**

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: **None known.**

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SECTION VII PERSONAL PROTECTIVE EQUIPMENT

GLOVES: Rubber, vinyl or neoprene gloves should be worn.
EYES: Chemical workers goggles should be worn.
FOOTWEAR: n.av.
RESPIRATOR: A mask should be worn.
CLOTHING: Coveralls should be worn.

SECTION VIII PREVENTIVE MEASURES

STORAGE REQUIRMENTS: Store in a cool area above freezing point of product. When diluting, always ass
product slowly to water to prevent boiling and splattering.
SHIPPING INFORMATION: Do not expose to extreme temperatures.
LEAK AND SPILLAGE PROCEDURES: With large spill, dyke for later disposal. Neutralize with diluted acid like
hydrochloric or sulfuric acid. Minor spills can be neutralized and flushed with plenty of water.
HANDLING PROCEDURES: When diluting, always add product slowly to water to prevent boiling and
splattering.
WASTE DISPOSAL: Waste products should not be discharged into sewers or streams. It should be
first neutralized with diluted acid and then discharged according to federal, local and provincial regulations.
SPECIAL ENGINEERING CONTROLS: Use in well ventilated area with access to eyewash, safety shower and proper
safety equipment.

SECTION IX FIRST AID MEASURE

EYES: Flush with plenty of water for at least 20 minutes. Get medical attention.
SKIN: Remove contaminated clothing immediately and flush with water for at least 15 minutes. Get
medical help. No oil or ointment should be applied.
INGESTION: Get medical help immediately. Rinse mouth well with water and give patient large quantities of
water or milk to drink to dilute the chemical. Do not induce vomiting.
INHALATION: Remove to fresh air and 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