

JUN 10 1991

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200) REVISED MAY, 1989

SECTION 1 - PRODUCT IDENTIFICATION

Distributor	ELKHORN CHEMICAL CO, INC.	Emergency Phone	414-723-2646
Address	One Elko Lane, PO Box 80 Elkhorn, WI 53121		
Trade Name	ELKO LIQUID DRAIN CLEANER	Product Type	

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Potassium Hydroxide	1310-58-3	45	2mg/m ³

SARA HAZARD: TITLE III, SECTION 313:

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	@760mm Hg: 15.6C	Specific Gravity (H ₂ O=1.0)	1.45@ 15.6C	± 0.005	pH	± 0.5
Vapor Pressure (mm Hg)	N/A	Vapor Density (Air=1)	N/A			
Solubility in water	<input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable (or Dispersible)	<input type="checkbox"/> Slight (or Partial)		
Evaporation Rate (vs. H ₂ O)	<input checked="" type="checkbox"/> Faster	<input type="checkbox"/> Slower	<input type="checkbox"/> About the Same	Appearance and Odor	Clear, no odor	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	None	None to Boiling	Flammable Limits	N/A	Upper	Lower
Extinguishing Media	This product is not combustible					
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply. Avoid product contact w/water					
Unusual Fire and Explosion Hazards	None					

SECTION 5 - REACTIVITY DATA

Stability	Stable	Incompatibility	Aluminum, tin, zinc & alloys containing these metals.
Hazardous Decomposition Products	None		

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Oral	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute)	HEALTH HAZARDS: Causes severe burns to skin & eyes. Contact with eyes can cause permanent eye damage. Inhalation of mist can cause severe lung damage				
Signs and Symptoms of Overexposure (Chronic)	Exposure can cause burns which are not immediately painful or visible. Wash thoroughly after handling.				
Medical Conditions Aggravated by Overexposure	Respiratory illness - dermatitis				
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input type="checkbox"/> NONE	

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: _____

Skin: _____

Ingestion: _____

Inhalation: _____

** SEE REVERSE SIDE **

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH/MSHA respirator where dust or mist is generated. Normally, none is required.		
Sanitation Requirements	<input checked="" type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other
Eye Protection	Safety Glasses/Goggles		
Protective Gloves	Rubber/PVC	Other Protective Clothing	Protective clothing to minimize skin contact.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Contain liquid and control or stop the loss of volatile materials to the atmosphere.

Waste Disposal Methods: Large quantity clean-up action should be carefully planned and executed. Disposal of waste must meet applicable rules.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Keep away from acids, organics and reactive metals. When mixing with water, always add slowly and continuously to water while stirring to minimize spattering. DO NOT ADD WATER TO THE CAUSTIC.

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may be significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS HAZARD RATING	HEALTH	3	0 - LEAST
	FLAMMABILITY	0	1 - SLIGHT
	REACTIVITY	1	2 - MODERATE
	PERSONAL PROTECTION	B	3 - HIGH
			4 - EXTREME

LIQUID DRAIN CLEANER

EMERGENCY & FIRST AID PROCEDURES

EYES - OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY, THEN SEEK MEDICAL ATTENTION. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER, FOR AT LEAST 15 MINUTES, HOLDING LIDS APART TO ENSURE FLUSHING OF THE ENTIRE SURFACE. WASHING EYES WITHIN SEVERAL SECONDS IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN - WASH CONTAMINATED AREAS WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR AND WASH CLOTHING BEFORE REUSE. DISCARD FOOTWEAR WHICH CANNOT DECONTAMINATED. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION - GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. IF BREATHING HAS STOPPED, RESUSCITATE AND ADMINISTER OXYGEN, IF READILY AVAILABLE. SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION - NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILBLE, GIVE SEVERAL GLASSED OF MILK. IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR. SEEK MEDICAL ATTENTION IMMEDIATELY.

NOTES OF PHYSICIAN: None