

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY DRAIN EZE (380006)	Formula: Mixture, Sodium Hydroxide in water. Chemical type: Inorganic Alkali
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Section I

Manufactured For: Beaver Research Company	Emergency Telephone Number 1-800-255-3924 (Chem-Tel)
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002	Telephone Number For Information 1-800-544-0133
HMIS RATING: (Based on Aerosol Concentrate): 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Extreme HEALTH 4 REACTIVITY 0 FLAMMABILITY.. 0 PERSONAL PROTECTION: D	Date Prepared 07/07/03 Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	TLV	CARCINOGEN (OSHA,TP,IARC)	% (optional)
Sodium Hydroxide (1310-73-2)	2mg/m3 (ceiling)	No	>40%

Section III - Physical/Chemical Characteristics

Boiling Point	290°F	Specific Gravity (H2O = 1)	app. 1.5
Vapor Pressure (mm Hg)	n/ap	Melting Point	N/A
Viscosity, Cp @ 25°C	A-5 Gardner	Evaporation Rate	N/A
Solubility in Water Completely	pH: >13	Total VOC: None (N/A)	

Appearance and Odor
Clear liquid, no odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media

N/A (product is non-flammable)

Special Fire Fighting Procedures

Avoid skin and eye contact, and breathing of vapors. Wear head and body protection and alkali respirator if exposure to liquid is likely. Firewaters may become corrosive if they contact product.

Unusual Fire and Explosion Hazards

N/A

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	None known.
	Stable	X	

Incompatibility (Materials to Avoid)

Strong acids, materials not resistant to alkalis, active metals (zinc, aluminum, magnesium, etc.)

Hazardous Decomposition or Byproducts

Contact with active metals can release flammable hydrogen gas.

Hazardous	May Occur	Conditions to Avoid	None known.
Polymerization	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Eyes?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Inhalation: Breathing of mists causes respiratory irritation and can cause burns.

Skin: Corrosive. Causes irritation and burns.

Eyes: Corrosive. Causes eye damage.

Ingestion: Corrosive. Causes irritation and burning in mouth, esophagus, throat and stomach. Avoid swallowing. Can be fatal.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

None.

Emergency and First Aid Procedure

Inhalation: Remove to fresh air. Give artificial respiration or oxygen if needed. Get prompt medical attention. **Skin:** Remove contaminated clothing. Flush skin thoroughly with water for at least 15 minutes. Get medical attention if burns persist.

Eyes: Flush immediately with water for 15 minutes. Get prompt medical attention. **Ingestion:** Drink lots of water or, preferably, milk. Get medical attention if effects persist. Do not induce vomiting.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with acid before collection and disposal. People should use eye and skin protection and respirator.

Waste Disposal Method

If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste.

Precautions to be Taken in Handling and Storage

Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and acid (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for alkali service.

Other Precautions

Empty Containers: Rinse well before handling and disposal.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Wear approved alkali mist respirator if exposure is likely.

Ventilation	Local Exhaust	Yes	Special	N/A
	Mechanical(General)	N/A	Other	N/A

Protective Gloves

Wear alkali-resistant protective gloves.

Eye Protection

Wear splash proof goggles.

Other Protective Clothing or Equipment

Wear alkali-resistant boots and clothing. Provide convenient safety showers and eyewash stations.

Work/Hygienic Practices

N/A

N/A=Not Applicable

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