

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 STRIP EZE (260345)	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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Section I	WHMIS CLASS: D2B; E	D.O.T. HAZARD CLASS: Corrosive Material
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Manufactured For: Beaver Research Company	Emergency Telephone Number 1-800-255-3924 (Chem-Tel)
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Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002	Telephone Number For Information 269-382-0133
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HMIS RATINGS: 0-Minimal 3-Serious 1-Slight 4-Extreme 2-Moderate	Health: 3 Fire: 0 Reactivity: 1 Personal Protection: C	Date Prepared December 1999 Signature of Preparer (optional)
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Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	LD50	LC50	%
Water	7732-18-5	N/E	N/E	N/D	N/D	15-40
2-Butoxyethanol	111-76-2	25ppm	25ppm	450mg/kg	700ppm7hr	50
Monoethanolamine	141-43-5	3ppm	3ppm	1720mg/kg	N/D	30-60
Nonionic surfactants	N/A	N/E	N/E	N/D	N/D	10-30

This mixture contains 50% 2-Butoxyethanol which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

Section III - Physical/Chemical Characteristics

Boiling Point	190°F 88°C	Specific Gravity (H ₂ O = 1)	1.01
Vapor Pressure (mmHg)	<25	Freezing Point	32°F 0°C
Vapor Density (AIR = 1)	<1	Evaporation Rate (Butyl Acetate = 1)	<0.4
Solubility in Water Complete	pH 12.0	Total VOC	N/A

Appearance and Odor
Colorless - Bland

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media
Use media proper to the primary cause of fire.

Special Fire Fighting Procedures
Use proper protective equipment.

Unusual Fire and Explosion Hazards
None.

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	None
	Stable	X	

Incompatibility (Materials to Avoid)
Acids, aluminum and other soft metals.

Hazardous Decomposition or Byproducts
None known.

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

Section VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Eyes: May cause severe irritation, redness, burns and possible corneal injury.**Skin:** May cause severe irritation, redness, burns. May be absorbed through skin with prolonged or repeated contact.**Inhalation:** May irritate respiratory tract when used with inadequate ventilation.**Ingestion:** May cause severe irritation or burning of gastrointestinal tract and possible mucosal injury.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

Eyes: Flush with large amount of water for 30 minutes holding eyelids open. Seek medical attention.**Skin:** Remove contaminated clothing and footwear. Flood/shower with water for 30 minutes.**Inhalation:****Ingestion:** Remove to fresh air and rest. In all cases, if symptoms persist, seek medical attention.**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Collect and reuse if possible. Flush to sewer with large quantities of water if permitted by regulatory authorities to absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

Waste Disposal Method

Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

Precautions to be Taken in Handling and Storage

Store in cool, dry area. Follow good housekeeping practices.

Other Precautions

Keep out of the reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None normally required with adequate room ventilation.

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

Protective Gloves

Rubber/Neoprene

Eye Protection

N/A

Other Protective Clothing or Equipment

Full cover clothing - rubber apron.

Work/Hygienic Practices

Wash thoroughly after use.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.