

Epoxy Haze Remover

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SECTION 1 — CHEMICAL PRODUCT AND COMPANY INFORMATION

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Product Identifier Code # (PIF):

Product Name: Epoxy Haze Remover

Physical Form: Liquid

Color: Clear Yellow/Green

Odor: Butyl

NFPA Profile: Health 3 Flammability 1 Reactivity 1 PPE: B

NFPA = National Fire Protection Association

SECTION 2 — Hazards Identification

Acute Effects

Eye: Redness, watering corrosive to eyes

Skin: Redness, irritation

Inhalation: Over-exposure may cause respiratory irritation

Pronged/Repeated Exposure Effects

Skin: May cause skin irritation

Inhalation: Over-exposure may cause respiratory irritation.

Signs and Symptoms of Overexposure

May cause liver and kidney damage.

Medical Conditions Aggravated by Exposure

No known applicable information



Danger corrosive

SECTION 3 — Composition/ Information on Ingredients

CAS Number	Wt. %	Component
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141-43-5 111-76-2	10-15 10-20	Ethanolamine 2-Butoxyethanol
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SECTION 4 — FIRST AID MEASURES

Eye: Immediately flush with water for 15 minutes. If irritation persists, get medical attention.
Skin: Remove contaminated clothing. Flush skin with water for at least 15 minutes. Get medical attention if irritation persists.
Inhalation: Remove to fresh air. Get medical attention if ill effects develop.
Oral: If conscious, give several glasses of water but do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Comments: Contains 2-Butoxyethanol.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point (closed cup): > 140
Autoignition Temperature: Not Applicable
Extinguishing Media: Use water vapor, foam or fog
Fire Fighting Procedures: Fire fighters should use proper protective equipment.
Unusual Fire Hazards: None

Hazardous Decomposition Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve hazardous decomposition products: Carbon Monoxide and traces of incompletely burned carbon compounds.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: Neutralize with vinegar or citric acid. Use absorbent material to collect and contain for salvage or disposal
Storage: Store in tightly closed container at temperatures between 35 and 120 deg. F
Other Precautions: Keep away from strong acids and oxidizing materials.

SECTION 7 — HANDLING AND STORAGE

Storage: Store above 35 and below 120°F
Other Precautions: Keep away from strong acids and oxidizing materials.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Local exhaust: Recommended
General ventilation: Recommended

Personal Protective Equipment for Routine Handling

Eyes: Use chemical worker's goggles.
Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be cleaned before reuse. Rubber or plastic gloves are recommended.
Inhalation/Suitable Respirator: No special requirements.

Personal Protective Equipment for spills

Eyes: Use chemical worker's goggles.
Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be cleaned before reuse. Rubber or plastic gloves are recommended.
Inhalation/Suitable Respirator: No special requirements.
Precautionary Measures: Do not get in eyes. Avoid skin contact. Do not breathe excessive amounts of vapor. Do not take internally.

Comments: Keep away from strong acids and oxidizing materials. Provide ventilation during use to control exposure within Section 2 guidelines.

Chemical Name	OSHA exposure limits	ACGIH exposure limits
2-butoxyethanol	TWA 20 ppm	
Ethanol amine	TWA 3ppm	TWA 3ppm

Note: These precautions are for room temperature handling. Use at elevated temperature, or aerosol/spray applications may require added precautions

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Yellow/Green
Odor:	Butyl
Specific Gravity @ 25C:	0.98 – 1.00
Viscosity:	thin liquid
Freezing/Melting Point:	32°F / 0°C
Boiling Point:	212°F / 100°C
Vapor Pressure @ 25C:	17 mmHg
Vapor Density:	>1
Solubility in Water:	Complete
pH:	11.5 – 12.4
VOC:	20

Note: The above information is not intended for use in preparing product specifications.

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Hazardous polymerization will not occur
Conditions to Avoid:	Strong Acids and oxidizing materials.
Materials to Avoid:	Strong Acids and oxidizing materials.
Comments:	None

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicology Data for Product

Monoethanolamine: ORAL (LD50): Acute: 2100 mg/kg [Rat.]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit.].

Ethylene Glycol Monobutyl Ether: ORAL (LD50): Acute: 1746 mg/kg [Rat.]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig]

SECTION 12 — ECOLOGICAL INFORMATION

<u>Environmental Fate and Distribution</u>	No specific information is available
<u>Ecotoxicity</u>	No specific information is available
<u>Persistence and Degradation</u>	No specific information is available
<u>TSCA Status</u>	No specific information is available

SECTION 13 — DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Classification: non-hazardous waste

SECTION 14 — TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Proper Shipping Name: Corrosive liquid, n.o.s. UN 1760

Note: DOT classification does not necessarily apply to all sizes. For specific container size exceptions, refer to the Bill of Lading with your shipment.

SECTION 15 — REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings:

SARA 313 Toxic chemical notification and release notification: Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: None

Supplemental State Compliance Information:

	CAS Number	Wt.%	Component
California			
	Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.		
	Diethanol amine less than 0.01%		
	Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.		
	None Known		

SECTION 16 — OTHER INFORMATION

This information is offered in good faith as typical values and not as product specifications.

No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.