

F Form
Material Safety Data Sheet



Cover Sheet for Material Safety Data Sheet (MSDS)
Epoxy Resin and Aliphatic Amine Curing Agent
201Epoxy Aliph.doc

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Product: 77, A & B

Magnolia Plastics, Inc.
5547 Peachtree Industrial Boulevard
Chamblee, GA 30341
Emergency Telephone: Day: 770-451-2777 Night: 800-457-4280
Internet: <http://www.magnapoxy.com>

Common Name (Trade name and synonyms): **Magnobond 77, A & B**

Chemical Name: **Epoxy Resin and Aliphatic Amine Curing Agent**

Chemical Family: **Epoxy; Amine**

CAS Number: **Mixture**

Section 1: Hazardous Ingredients

<u>Component</u>	<u>%</u>	<u>ACGIH TLV</u>
A. Epoxy Resins with no established TLV	45-55	
B: Diethylene Triamine (DETA)	10-15	1 ppm (skin)
Phenol.	1-2	5 ppm (skin)
Aliphatic Amine with no established TLV	40-50	

Hazards: Corrosive, irritant
All ingredients are listed in the TSCA Inventory

Section 2: Physical and Chemical Characteristics

Boiling Point (°F):	>225°F	Specific Gravity(water=1):	0.48-0.50
Vapor Pressure (mm/Hg):	Nil	Volatiles (% by volume):	0
Vapor Density (Air=1):	>1	Evaporation Rate (BuAc =1)	>1
Solubility in Water:	Negligible		
Appearance & Odor:	A: Off-white paste; ether odor B: Amber liquid; ammoniacal odor		

Section 3: Fire and Explosion Data

Flash Point (test method): **A:** >200°F (PMCC) **B:** >200°F (PMCC)

Flammable Limits in Air (% by Volume): **Lel:** N/A **Uel:** N/A

Extinguishing Media: Water Spray, foam, CO₂, dry chemical

Special Fire Fighting Precautions/Procedures: Avoid breathing smoke and vapors. In a confined area, use full fire fighting equipment including an approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: None

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Section 4: Health Hazard Information

Threshold Limit value (TLV): Not established
ANSI Hazard Class: A: 4 B: 4
Signs and Symptoms of exposure:

Type of Exposure	Comp	
Acute Overexposure	A	Moderately irritating to skin and eyes. Possible skin sensitizer.
	B	Vapors are irritating to skin and eyes
Chronic Overexposure	A	Pre-existing skin and eye disorders may be aggravated
	B	Unknown
Routes of Exposure		
Inhalation	A	Not likely to produce adverse effects due to low volatility
	B	Vapors are irritating to the skin and eyes
Ingestion	A	Low order of toxicity
	B	Moderate toxicity; may cause burns of mouth and throat
Skin Absorption	A	Not likely to be absorbed through the skin in toxic amounts
	B	Repeated or prolonged exposure may be harmful
Skin Contact	A	Moderately irritating; may cause skin sensitization
	B	May cause chemical burns and/ or develop allergic reaction
Eye Contact	A	Moderately irritating
	B	Moderately irritating; permanent damage possible on prolonged exposure
Carcinogenicity		
NTP	A	No
	B	No
IARC	A	No
	B	No
OSHA	A	No
	B	No

Section 5: Emergency and First Aid Procedures

Skin: Remove contaminated clothing. Wash from skin with soap and water. Launder clothing prior to re-use.

Eyes: Flush with water for 15 minutes while holding the eyelids open. Get medical attention

Inhalation: Remove victim to fresh air. Administer oxygen if necessary.

Ingestion: Do not induce vomiting. Give large doses of water. Get medical attention.

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Section 9: SARA Title III Information (continued):

Section 311: Hazardous Categorization

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>	<u>Non-Applicable</u>
X	X				

Section 313: Toxic Chemicals

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Phenol	108-95-2	1-2

Section 10: Special Precautions For Industrial Use only!

Warning Statements: A: .May cause skin irritation; avoid contact with eyes.
B: **Corrosive.** May cause severe eye burns.

Precautions to be taken in Handling and Storage:

Store in a cool, dry area in tightly closed containers. Avoid contact with skin and eyes. Use with adequate ventilation. Use good hygiene practices.

Other Precautions:

RCRA Status:	Not considered to be a hazardous waste
CERCLA:	Not listed
DOT Class:	A: Not regulated
	B: Corrosive Liquid, Basic, Organic, N.O.S., UN 3267

Section 11: Miscellaneous

	<u>HMIS Rating</u>	
	<u>A</u>	<u>B</u>
Health:	2	3
Flammability:	1	1
Reactivity:	0	0

This Material Safety data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1919,1200. The information contained herein is based on data available to us and is believed to be accurate. However, Magnolia Plastics, Inc. makes no warranty expressed or implied concerning the accuracy of the information contained herein. It is the user's responsibility to determine the safety, toxicity and suitability of the product described herein. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

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