

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: 300-1 /1032

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Common Name (Trade name and synonyms): **Magnobond 300-1 /1032**

Chemical Name: **Epoxy Resin and Modified Polyamide Curing Agent**

Chemical Family: **Epoxy; Amine**

CAS Number: **Mixture**

Section 1: Hazardous Ingredients

<u>Component</u>	<u>%</u>	<u>ACGIH TLV</u>
300-1: Epoxy Resin with no established TLV	>85	
Butyl Glycidyl Ether (BGE)	10-20	25 ppm
Phenol	4-8	5 ppm (skin)
Yellow Pigment (dispersed in resin) as Pb	<0.2	0.05 mg/m ³
1032: Diethylene Triamine (DETA)	5-10	1 ppm (skin)
Heterocyclic Alcohol	5-10	10 ppm (skin)
Polyamide Resins with no established TLV	>85	

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):	1.05
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:	300-1R: Red liquid; ether odor 1032: Amber viscous liquid; ammoniacal odor		

Section 3: Fire and Explosion Data

Flash Point (test method): **300-1:** 173°F(PMCC)-BGE; **1032:** 173°F(PMCC) – Heterocyclic Alcohol

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	300-1	Moderately irritating to skin and eyes. Possible skin sensitizer.
	1032	Vapors are irritating to skin and eyes
Chronic Overexposure	300-1	Pre-existing skin and eye disorders may be aggravated
	1032	Unknown
Routes of Exposure		
Inhalation	300-1	Not likely to produce adverse effects due to low volatility
	1032	Vapors are irritating to the skin and eyes
Ingestion	300-1	Low order of toxicity
	1032	Moderate toxicity; may cause burns of mouth and throat
Skin Absorption	300-1	Not likely to be absorbed through the skin in toxic amounts
	1032	Repeated or prolonged exposure may be harmful
Skin Contact	300-1	Moderately irritating; may cause skin sensitization
	1032	May cause chemical burns and/ or develop allergic reaction
Eye Contact	300-1	Severely irritating
	1032	Moderately irritating; permanent damage possible on prolonged exposure
Carcinogenicity		
NTP	300-1	No
	1032	No
IARC	300-1	No
	1032	No
OSHA	300-1	No
	1032	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 6: Reactivity Data

Stability: Stable: X Unstable:
Conditions to Avoid: Elevated temperatures
Incompatibility (materials to avoid): Strong oxidizing agents, strong acids and bases
Hazardous Decomposition Products: Oxides of carbon and nitrogen
Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: Large mixtures in bulk. Curing process is exothermic

Section 7: Spill and Leak Procedures:

Steps to be Taken if Material is Spilled or Released:

Avoid contact with liquid and vapors. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers.

Waste Disposal Method:

Cure, then bury or incinerate. Remove salvage containers to a waste disposal site operating in compliance to federal, state and local regulations.

Section 8: Special Protection Information

Respiratory Protection (Specific Type):

For excessive vapors or to maintain below the TLV limit, NIOSH approved respirator in compliance to 29 CFR 1910.134.

Ventilation: Local Exhaust: Yes
Mechanical: Yes
Other: As required

Protective Gloves: Impervious rubber

Eye Protection: Splash proof chemical goggles

Other Protective Equipment: For prolonged exposure, impervious clothing and boots to minimize personal contact. Eye wash station. Safety shower.

Section 9: SARA Title III Information

Section 302/304: Extremely Hazardous Substance

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ (lbs)</u>	<u>TPQ (lbs)</u>
Phenol	108-95-2	4-8	1000	500, 10,000

CERCLA Section 102 (a): Hazardous Substance

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ (lbs)</u>
Phenol	108-95-2	4-8	1000
Lead	7439-92-1	<0.2	1

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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	4-8
Lead	7439-92-1	<0.2

Section 10: Special Precautions For Industrial Use only!

Warning Statements: 300-1: . May cause skin irritation; avoid contact with eyes.
1032: **Corrosive.** May cause severe eye burns.

Precautions to be taken in Handling and Storage:

300-1R & 1032: 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: 300-1: Not regulated in containers <119 gallons
 Combustible Liquid, N. O. S. in Containers >119 gallons (BGE)
 1032: Corrosive Liquid, Basic, Organic, N.O.S., UN 3267

Section 11: Miscellaneous

	<u>HMIS Rating</u>	
	<u>300-1R</u>	<u>1032</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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