

F Form
Material Safety Data Sheet



Cover Sheet for Material Safety Data Sheet (MSDS)

Epoxy Resin and Aliphatic Amine Curing Agent

201Epoxy Aliph.doc

Cl	Chg. Index	Date	Owner		Date	Name	Initials	Dept.	Doc. ID:	
	1.0	4/26/99	P. Doucette	Created	4/26/99	P. Doucette	PED	Quality	F0201-03.doc	
				Reviewed	4/27/99	P. Doucette	PED	Quality		
				Released	4/27/99	P. Doucette	PED	Quality		
Computer:		File: C:\ISO9000 Quality Management Manual\QM Forms\F0201-03 .doc							Page 1 of 5	

F Form

Material Safety Data Sheet



Product: 121-287, A/121-289, B & 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): Magnolia 121-287 A with Magnolia 121-289 B

Chemical Name: Epoxy Resin and Aliphatic Amine Curing Agent

Chemical Family: Epoxy; Amine

CAS Number: Mixture

Section 1: Hazardous Ingredients

Component	%	ACGIH TLV
A: Epoxy Resin with no established TLV	55-65	
Epichlorohydrin (ECH)	<3 ppm	0.5 ppm (skin)
Brominated Flame retardant (dispersed in resin)	<10	NE
B: Amines with no established TLV	70-80	1 ppm (skin)
Phenol	<3	5 ppm (skin)
Diethylene Triamine (DETA) 10-20		
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):	0.55-0.60
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: White liquid		
	B: Blue liquid; ammoniacal odor		

Section 3: Fire and Explosion Data

Flash Point (test method): >200°F (PMCC)
Flammable Limits in Air 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

Product: 121-287, A/121-289, B

F Form Material Safety Data Sheet



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.

F Form

Material Safety Data Sheet



Product: 121-287, A /121-289, B

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

Component	CAS #	%	RO (lbs)	TPO (lbs)
Epichlorohydrin	106-89-8	<3 ppm	1000	
Phenol	108-95-2	<3	500	10,000

CERCLA Section 102 (a): Hazardous Substance

Component	CAS #	%	RO (lbs)
Epichlorohydrin	106-89-8	<3 ppm	1000
Phenol	108-95-2	<3	1000

Product: 121-287, A /121-289, B

Section 9: SARA Title III Information (continued):

