

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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F Form Material Safety Data Sheet



Product: 121-410A/6113-3B

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 121-410, Part A with 6113-3, Part B

Chemical Name: Epoxy Resin and Modified Polyamide 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 Resin with no established TLV | >80 | |
| Titanium Dioxide (dispersed in resin) | 1-3 | 10 mg/m ³ |
| B: Amines with no established TLV | 30-40 | |
| 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): | 1.21 |
| 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 viscous liquid | | |
| | B: Brown semi-paste; ammoniacal odor | | |

Section 3: Fire and Explosion Data

Flash Point (test method): >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 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>RO (lbs)</u> | <u>TPO (lbs)</u> |
|------------------|--------------|----------|-----------------|------------------|
| None | | | | |

CERCLA Section 102 (a): Hazardous Substance

| <u>Component</u> | <u>CAS #</u> | <u>%</u> | <u>RO (lbs)</u> |
|------------------|--------------|----------|-----------------|
| None | | | |

