

F Form
Material Safety Data Sheet



Cover Sheet for Material Safety Data Sheet

Epoxy Resin

201Epoxy Resin.com

Product: 1079

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Common Name (Trade name and synonyms): **Compound 1079**

Chemical Name: **Epoxy Resin**

Chemical Family: **Epoxy**

CAS Number: **Mixture**

Section 1: Hazardous Ingredients

<u>Component</u>	<u>%</u>	<u>ACGIH TLV</u>
Epoxy Resin with no established TLV	50-60	
Aluminum Powder (dispersed in resin)	20-30	10 mg/m ³ (as dust)

All ingredients are listed in the TSCA Inventory.

Section 2: Physical and Chemical Characteristics

Boiling Point (°F):	>225°F	Specific Gravity (water=1):	1.29
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:	Gray viscous liquid; characteristic 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, dry chemical, CO₂

Special Fire Fighting Precaution/Procedures: Avoid breathing smoke. In confined areas, full fire fighting equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water

Unusual Fire & Explosion Hazards: None

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Section 4: Health Hazard Information

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Threshold Limit value (TLV): Not established
ANSI Hazard Class: 4

Signs and Symptoms of exposure: Type of exposure	Signs and Symptoms of exposure
<i>Acute Overexposure</i>	<i>Moderately irritating to the skin and eyes</i>
<i>Chronic Overexposure</i>	Pre-existing skin and eye disorders may be aggravated
Routes of Exposure	
<i>Inhalation</i>	Not likely to produce adverse effects due to low volatility
<i>Ingestion</i>	Moderate toxicity: may be harmful
<i>Skin Absorption</i>	Not likely to be absorbed in toxic amounts
<i>Skin Contact</i>	Moderately irritating; may cause skin sensitization
<i>Eye contact</i>	Moderately irritating
Carcinogenicity	
<i>NTP</i>	No
<i>IARC</i>	No
<i>OSHA</i>	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 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 Lewis acids; strong Mineral acids
Hazardous Decomposition Products: CO, anhydrides, acids

Hazardous Polymerization: May Occur: **Will Not Occur:** X
Conditions to Avoid: Reaction with some curing agents in bulk is exothermic

Section 7: Spill and Leak Procedures:

Avoid contact with liquids and vapors. Wipe with a cloth or collect on absorbent material.

Large spills: Dike and contain. Pump or shovel into salvage vessels.

Waste Disposal Method: Cure, then bury or incinerate where permitted by Federal, State or Local regulations. Remove salvage vessels to a waste disposal site operating in compliance with Federal, State and Local regulations.

Section 8: Special Protection Information

Respiratory Protection (specific type): For excessive vapors or to maintain below the TLV, a NIOSH approved respirator for organic vapors in compliance with 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 Clothing or 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>
None				

CERCLA Section 102 (a): Hazardous Substance

<u>Component</u>	<u>CAS #</u>	<u>%</u>	<u>RQ (lbs)</u>
None			

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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					

Section 313: Toxic Chemicals

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Aluminum Powder (as dust)	7429-90-5	20-30

Section 10: Special Precautions

Warning Statements: **For Industrial Use Only!**
May cause skin irritation. Possible skin sensitizer. Avoid contact with eyes.

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:	Not regulated

Section 11: Miscellaneous

HMIS Rating

Health:	2
Flammability:	1
Reactivity:	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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