

**F Form
Material Safety Data Sheet**



Cover Sheet for Material Safety Data Sheet

Epoxy Resin

201Epoxy Resin.com

Product: 94, A

| CI | 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 | 4/26/99 | P. Doucette | PED | Quality | | |
| | | | | Released | 4/27/99 | P. Doucette | PED | Quality | | |
| Computer: | | File: C:\ISO9000 Quality Management Manual\F0201-03 .doc | | | | | | | | |

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Common Name (Trade name and synonyms): **Magnobond 94, Part A**

Chemical Name: **Epoxy Resin**

Chemical Family: **Epoxy**

CAS Number: **Mixture**

Section 1: Hazardous Ingredients

| <u>Component</u> | <u>%</u> | <u>ACGIH TLV</u> |
|--|-----------------|-------------------------|
| Polyfunctional Epoxy resin, CAS # 28768-32-3 | 35-45 | NE |
| Multifunctional Epoxy Resin, CAS # 5026-74-4 | <10 | NE |
| Silicon Dioxide, CAS # 14808-60-7 | 20-30 | 0.1 mg/m ³ |
| Aluminum Powder, CAS # 7429-90-5 | 20-30 | 5.0 mg/m ³ |
| Fumed Silica, CAS # 112945-52-5 | 0.01 | 2.0 mg/m ³ |
| Silicone Defoamer, CAS # mixture | Trace | NE |

All ingredients are listed in the TSCA Inventory.

Section 2: Physical and Chemical Characteristics

| | | | |
|--------------------------------|--|-----------------------------------|------|
| Boiling Point (°F): | >225°F | Specific Gravity(water=1): | 1.62 |
| 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

Special Fire Fighting Precautions/Procedures: None

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Section 4: Health Hazard Information

Threshold Limit value (TLV): Not established

ANSI Hazard Class: 4

| Signs and Symptoms of exposure: Type of exposure | Signs and Symtopms 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 9: SARA Title III Information (continued):

Section 311: Hazardous Categorization

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

Section 313: Toxic Chemicals

| | | |
|------------------|--------------|----------|
| <u>Component</u> | <u>CAS #</u> | <u>%</u> |
| Aluminum Powder | 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 at 40°F 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.

Original Date: 6/27/85 **Revision Date:** 6/9/99 **Revision Number:** 4