

Material Safety Data Sheet

Freeman 801 Resin

Date of Preparation: January 3, 2007

Revision:

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Freeman 801 Resin

Chemical Family: Epoxy

CAS Number: N/A

Other Designations: N/A

Intended Use or Product Type: Casting Resin

Manufacturer: Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011,
Phone (440)934-1902, FAX (440)934-7200, Hours of Operation 8-5, Emergency Phone Number 800-424-9300

HMIS
H 2
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☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Combustible. Causes skin and eye irritation. May cause allergic skin and respiratory reactions.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number
* Butyl Glycidyl Ether	2426-08-6
* Bisphenol A Diglycidyl Ether Polymer	25068-38-6

* = OSHA Hazardous Ingredient

Ingredient	OSHA		ACGIH		MFR
	PEL	STEL	TWA	STEL	
Butyl Glycidyl Ether	50 ppm	none estab.	25 ppm	none estab.	Table Z1A TWA 25 ppm
: Bisphenol A Diglycidyl Ether Polymer	none estab.	none estab.	none estab.	none estab.	none estab.

Section 3 - Physical and Chemical Properties

Physical State: Pourable liquid

Appearance and Odor: Gray,; slight ethereal odor

Vapor Pressure: 1.1 mm Hg at 77 °F (25 °C)

Vapor Density (Air=1): Not determined

Specific Gravity (H₂O=1, at 4 °C): 1.73

Water Solubility: Negligible

Boiling Point: >200° F (>9°3 C)

% Volatile: Negligible

Evaporation Rate: Not determined

VOC: 80 g/l

pH: Not determined

Section 4 - Fire-Fighting Measures

Flash Point: 171°F (77°C)

Flash Point Method: PMCC

LEL: Not established

UEL: Not established

Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

Fire-Fighting Equipment: Use self-contained breathing apparatus.



Section 5 - Stability and Reactivity

Stability: Stable.

Conditions to Avoid: Excessive heat for prolonged periods of time.

Incompatibility: Strong oxidizers, acids, and bases.

Hazardous Decomposition Products: Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

Hazardous Polymerization: Will not occur.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Dermal; heated product may produce inhalable vapors.

Overexposure Effects: Causes skin and eye irritation. May cause allergic skin and respiratory reactions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. Call a physician.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Call a physician.

Skin Contact: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

Ingestion: If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

Section 7 - Spill, Leak, and Disposal Procedures

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

Disposal: Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

Ecological Information: N/A

Toxicological Information:

Sensitization: Causes allergic skin and respiratory sensitivity in some people.

Skin Irritation: Corrosive. Causes burns.

Eye Irritation: Corrosive. Causes burns.

Regulatory Information:

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for all this material.

Chemical Name: Aluminum

Percent in composition: 45% by wt.

Comment:

TSCA Section 8(b) - Inventory Status: All chemical components of this product are in compliance with TSCA inventory requirements.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

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State Regulations:

California Proposition 65: The following is required composition information. May contain trace amounts of lead and arsenic which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

- Butyl Glycidyl Ether (CAS # 2426-08-6) is on the New Jersey and Pennsylvania Right to Know Lists.
- Crystalline Silica (CAS # 14808-60-7) is on the New Jersey and Pennsylvania Right to Know Lists.
- Aluminum (CAS # 7429-90-5) is on the New Jersey and Pennsylvania Right to Know Lists.
- Limestone (CAS # 1317-65-3) is on the Pennsylvania Right to Know List.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: General mechanical and local exhaust in accordance with ACGIH recommendations.
Respiratory Protection: Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.
Skin Protection: Wear impermeable gloves.
Eye Protection: Wear splash-proof chemical goggles.

Section 9 - Special Precautions and Comments

Handling and Storage:
Signal Word: Warning!
Precautions: Combustible. Keep away from heat, sparks, and flame. Can cause skin irritation, eye irritation, allergic respiratory reaction, and allergic skin reaction. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated breathing of vapor or mist. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.
Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Liquid Plastic, N.O.I.	Packaging Authorizations	Quantity Limitations
Shipping Symbols:	a) Exceptions:	a) Passenger, Aircraft, or Railcar:
Hazard Class: Not Regulated	b) Non-bulk Packaging: X	b) Cargo Aircraft Only:
ID No.:	c) Bulk Packaging:	Vessel Stowage Requirements
Packing Group:	Department of Transportation:	a) Vessel Stowage:
Label:	Not regulated	b) Other:
Special Provisions (172.102):		

Prepared By:
Revision Notes:

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