

PATZ

MATERIALS & TECHNOLOGIES

Safety Data Sheet

PMT-F4

MSDS Number: 1105

Issue Date: Nov. 19, 2005

Revised Date: March 7, 2019

1. Material and company identification

Material Type: Formulated Epoxy prepreg system

Label Identification: **PMT F4 prepreg**

Manufacturer & Address: Patz Materials and Technologies,
4968 Industrial Way, Benicia, California, USA, 94510

Telephone: Emergency # (707) 748-7577, Information # (707) 748-7577

2. Hazards identification

OSHA regulatory status: This product is hazardous under the OSHA Hazard Communication Standard

Physical Hazards Combustible Dust – USH01

Health Hazards Skin Sensitisation Sub-category 1B and Sub-category 2B, Skin Irritation
Category 2 Eye Irritation

Environmental Hazards Not Classified

Physiochemical Hazards Dust generated from machining, grinding or sanding the cured product may be combustible and could result in fire and/or explosion, if the necessary dust concentration in air and ignition source be present

Label Elements



3. Composition and information on ingredients

Family/ chemical name: Formulated Epoxy

<u>Hazardous ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>Hazards Classification</u>
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Phenyl formaldehyde glycidyl ether	28064-14-4	25-60	Skin sensitisation - Sub-category 1B
Bisphenol A diglycidyl ether	25085-99-8	10-25	Skin irritation - Category 2 Eye irritation – Category 2A Skin sensitisation - Sub-category 1B
Dicyandiamide	461-58-5	2-6	Not established
Urea	330-54-1	1-4	Not established
Carbon Black (In specific formulations)	1333-86-4	.2-1	Not established
Glass Fabric.	65997-17-3	45-65	See Section 11 Carcinogenicity
Carbon Fabric	7440-44-0	45-65	Not established

4. First Aid Measures

Ingestion: If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person, Get immediate medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

Skin: For skin contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before re-use. Get medical attention if irritation occurs.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

5. Fire Fighting

Flash Point: > 200°F (>94°C)

Flash Point Method Used: PMCC

Fire Fighting Extinguishing Media: Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazards: Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

6. Accidental Release Measures

This material is normally supplied in small quantities and is semi-solid at room temperatures. If spilled, when warmed to a liquid state, absorb onto sand or other absorbent material. Shovel into closable container for disposal. Scrape, flush and scrub residue well with detergent. Do not flush residue into sewers discharging directly into domestic water systems or natural waterways.

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7. Handling and storage

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with good ventilation. Individuals should wash thoroughly after handling. For industrial use only.

Storage: 24 Months from Date of Manufacture (DOM) when sealed, desiccated, and stored at 10°F or below (protect from moisture).

8. Exposure controls and personal protection

Mechanical ventilation and local exhaust is recommended if resin is heated above 130°F. Wear gloves and goggles to prevent skin and eye contact.

9. Physical and chemical properties

Color	Yellowish or black
Physical state	Solid or stiff paste
Solubility in water	Not determined
Vapor pressure	Not applicable
Specific gravity	~1.2 (H ₂ O = 1)
Boiling point	N/A
Percent Volatile	< 2%

10. Stability and reactivity

Stability: Stable at 10°F and colder. Degrades slowly at room temperature.

Conditions to avoid: Storage temperatures above 10°F.

Incompatibility: Strong alkali, acids, mercaptans.

Hazardous decomposition products: CO/CO₂, phenol, unknown hydrocarbons, nitrogen oxides.

Hazardous polymerization: This material is pre-catalyzed. The rate of reaction is temperature dependent.

11. Toxicological information

Carcinogenity

If cured material is cut, shaped, drilled or grinded, dusts containing silica and/or glass may be released.

The following classification information applies only to these dusts.

Carcinogenity: Cat 2

Specific Organ Toxicity Single Exposure: Cat 1

Specific Organ Toxicity Repeat Exposures: Cat 1

12. Ecological information

No ecological information is available.



13. Disposal considerations

Un-polymerized resin should be disposed of as hazardous waste. Package in small quantities to avoid uncontrolled exothermic reaction. Follow federal, state and local regulations.

14. Transportation information

Not regulated.

15. Regulatory information.

California Proposition 65

None of the ingredients listed in Section 2 are on the California Proposition 65 lists.

16 Other information

The above information is based on the data of which we are aware and is believed to be correct as of the issued date of this MSDS.

Prepared By: Louise Talosig

Approved By: Amy Patz Charlton

MSDS Rev. Date: 3/7/19