Safety Data Sheet
PMT-F4A/Glass Fabric

MSDS Number: 2029
Issue Date: Oct. 23, 2010
Revised Date: 06/01/2015

1. Material and company identification

Material Type: Epoxy/Glass Fabric
Label Identification: **Epoxy/Glass Fabric**

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

Part I, Appearance and overview of significant concerns: Yellowish resin with black fiber that is semi-solid at room temperature. Masses of resin (greater than 50 grams) heated above 160°F may polymerize in an uncontrolled exothermic reaction. Store in a freezer (protected from moisture) for safety and material integrity.

Part II, Adverse health effects and symptoms:
Carcinogenicity: None of the ingredients is listed as a carcinogen on IARC, NTP, or OSHA databases.
Primary Route(s) of entry: Dermal
Eyes: May cause eye irritation.
Skin: May cause skin irritation and dermatitis.

3. Composition and information on ingredients

Family/ chemical name: Epoxy Prepreg

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS#</th>
<th>Percent</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resins- mixture</td>
<td>Mixture</td>
<td>30-40</td>
<td>Not established</td>
</tr>
<tr>
<td>Amine Catalyst</td>
<td>Mixture</td>
<td>0 - 5</td>
<td>Not established</td>
</tr>
<tr>
<td>Glass Fabric</td>
<td>65977-17-33</td>
<td>55-65</td>
<td></td>
</tr>
</tbody>
</table>

*Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret

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 qualities 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.

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: Store in a freezer at 40°F or colder for prolonged periods (protect from moisture). May be stored at room temperature for a few weeks with only minor degradation. DO NOT STORE under warm or hot conditions. NEVER let storage temperatures exceed 150°F.

8. Exposure controls and personal protection

Mechanical ventilation and local exhaust is recommended if resin is heated above 150°F. Wear gloves and goggles to prevent skin and eye contact.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Yellowish black fibers</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>~1.2 (H₂O = 1)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>&lt; 2%</td>
</tr>
</tbody>
</table>

10. Stability and reactivity
Stability: Stable at 40°F and colder. Degrades slowly at room temperature.
Conditions to avoid: Storage temperatures above 150°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
Not determined.

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. Fully polymerized resin may be disposed of as ordinary solid waste.

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: Sarah Sinisi
Approved By: Gary Patz
MSDS Rev. Date: 06/01/2015