I. PRODUCT IDENTIFICATION:

Atlas Fibre Company
3721 W. Chase Avenue
Skokie, Illinois 60076
Emergency Telephone # 847-674-1234

Chemical Name: See Chart
Chemical Family: Thermoset Laminates
Trade Name & Synonyms: None

II. HAZARDOUS INGREDIENTS:

Substances listed are those identified as being present in concentrations of 1% or greater, or 0.1% if substance is listed as a potential carcinogen. - NONE

III. PHYSICAL DATA:

- Melting Point: See Chart
- Specific Gravity: (H2O = 1): See Chart
- Vapor Pressure: N/A
- Vapor Density: N/A
- Solubility in Water: N/A
- Percent Volatile by Volume: .3 - 1.0%
- Vapor Density: N/A
- Evaporation Rate: N/A
- Color: Various, Natural to Black
- Odor: None to slight

IV. FIRE AND EXPLOSION HAZARD DATA:

- Flash Point: N/A
- Flammability Limits: N/A
- Extinguishing Media: Water, Carbon Dioxide, Dry Chemical
- Special Fire Fighting Procedures: For significant fires, use self contained positive pressure breathing apparatus and wear full protection.
- Unusual Fire and Explosion Hazard: May give off any or all of the hazardous decomposition products listed. Dust from dry fabrication operations may be explosive if mixed with air in critical proportions in the presence of ignition.

V. HEALTH HAZARD DATA:

- Threshold Limit Value: No TLV exist for thermoset laminate plastic shapes. The hazards associated with thermoset laminate plastic shapes are for the products of combustion; See Chart:
- Effects of Overexposure: Inhalation of dust may cause respiratory irritation. Dust may cause skin or eye irritation.
- Emergency and First Aid Procedures: In the event of acute exposure, remove to fresh air, administer oxygen, and seek physician’s assistance.

VI. REACTIVITY DATA:

- Stability: Stable
- Incompatibility: Not Incompatible
- Hazardous Decomposition Products: See Chart
- Hazardous Polymerization: N/A
- Conditions to Avoid: When heated to decomposition or combustion temperatures, hazardous products of combustion occur as shown - See Chart
VII. SPILL OR LEAK PROCEDURES:
Steps to be taken in case material is released or spilled: N/A

VIII. SPECIAL PROTECTION INFORMATION:
Respiratory Protection: If machining operations are not adequately ventilated, a N.I.O.S.H. approved respirator should be worn.
Ventilation: Mechanical(general) preferable, local exhaust acceptable.
Protection Equipment: When machining thermoset laminate plastics, face shield or safety glasses should be worn. In general, protection beyond established industrial safety practices and adequate ventilation is not required.

IX. SPECIAL PRECAUTIONS:
Precautions to be taken in Handling and Storage: None
Other Precautions: When fighting fires use a self contained breathing apparatus.

* N/A - Not Applicable

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>GRADES</th>
<th>SPECIFIC GRAVITY</th>
<th>MELTING POINT °F</th>
<th>FLASH IGNITION TEMP. °F</th>
<th>HAZARDOUS PRODUCTS OF COMBUSTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenolic Cellulose</td>
<td>X,XX,XXX</td>
<td>1.10-1.40</td>
<td>N.A.</td>
<td>Non-Volatile</td>
<td>CO, CO2, F</td>
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<tr>
<td>Phenolic Cellulose</td>
<td>C, CE</td>
<td>1.10-1.40</td>
<td>N.A.</td>
<td>Non-Volatile</td>
<td>CO, CO2, F</td>
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<td>Phenolic Cellulose</td>
<td>L, LE</td>
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<td>N.A.</td>
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<td>CO, CO2, F</td>
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<tr>
<td>Phenolic Nylon</td>
<td>N-1</td>
<td>1.15-1.19</td>
<td>N.A.</td>
<td>Non-Volatile</td>
<td>CO, CO2, F</td>
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<tr>
<td>Phenolic Glass</td>
<td>G-3</td>
<td>1.70-1.90</td>
<td>N.A.</td>
<td>Non-Volatile</td>
<td>CO, CO2, F</td>
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<tr>
<td>Melamine Glass</td>
<td>G-5, G-9</td>
<td>1.70-1.95</td>
<td>N.A.</td>
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<td>CO, F, A</td>
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<td>Silicone Glass</td>
<td>G-7</td>
<td>1.55-2.05</td>
<td>N.A.</td>
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<td>CO</td>
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<tr>
<td>Epoxy Glass</td>
<td>G-10</td>
<td>1.65-2.20</td>
<td>N.A.</td>
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<td>Epoxy Glass</td>
<td>FR4</td>
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<td>N.A.</td>
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<td>CO, CO2, F, HBr</td>
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<tr>
<td>Polyester Glass</td>
<td>GPO-1,2,3</td>
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</tbody>
</table>

CO=Carbon Monoxide    CO2=Carbon Dioxide    F=Formaldehyde    HBr=Hydrogen Bromide    A=Ammonia

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