SAFETY DATA SHEET

Aerocel-Laminated Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product: Closed Cell Elastomeric Thermal Insulation with pressure sensitive adhesive

Trade Name: Aerocel–Laminated Sheet

Manufacturer/Supplier: Aeroflex USA, Inc.
282 Industrial Park Road
Sweetwater, TN 37874

Telephone: Toll Free 866–AEROCEL (237–6235)
Fax Number: (423)351–7368

Email Address: sales@aeroflexusa.com

2. HAZARD IDENTIFICATION

Inhalation
No significant signs of any adverse health hazard are expected to occur as a result of inhalation exposure.

Eye Contact
No significant signs of any adverse health hazards are expected to occur as a result of eye contact.

Ingestion
Practically non-toxic

Skin Contact
No Significant signs of any adverse health hazards are expected to occur as a result of skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is an expanded, closed cell, sulfur cured rubber type compound. It contains synthetic polymer, fillers, plasticizers and rubber chemicals.

Following are the main ingredients in this product:

- Synthetic rubber (EPDM: Ethylene–Propylene–Therpolymer Rubber) CAS No. 25038–36–2
- Aluminum Trihydrate CAS No. 21645–51–2
- Carbon Black CAS No. 1333–86–4
- Acrylic Adhesive Trade Secret
- Paper or Film Liner, or Liners

4. FIRST AID MEASURES

Inhalation
Not required under normal use. If irritation persists, remove from exposure area.

Eye Contact
No required under normal use. Flush with water until all traces of the material are done.
Seek medical attention if irritation persists.

Ingestion
If illness or adverse symptoms develop, obtain medical attention.

Skin Contact
Not required under normal use.
5. FIRE-FIGHTING MEASURES

Extinguishing Media
Carbon Dioxide, ABC dry chemical, Water spray and foam

Specific Hazards with regard to Fire-Fighting measures
Approach from upwind side. Avoid breathing smoke, fumes or vapors on downwind side. Firefighters wear protective clothing, especially eye protection, and self contained breathing apparatus

Hazardous Combustion Products
Material is stable under normal conditions. In the event of a prolonged fire, may generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid

6. ACCIDENTAL RELEASE MEASURES
If materials released/Spill

Land Spill:
Collect spilled material and place it in an appropriate container for reuse or disposal

Water Spill:
Product is insoluble. Collect spilled material and place in an appropriate container for reuse or disposal

Neutralizing Agent:
Negligible

7. HANDLING AND STORAGE
Handling Condition: No special precaution required
Storage Condition: Keep in dry normal storage

8. EXPOSURE CONTROL/PERSONAL PROTECTION
Engineering Controls: General ventilation
Personal Protection Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Expanded Foam Rubber with adhesive and facing
Specific Gravity: 0.04–0.08
Service Temperature: -57 to +125°C (-70 to 257°F)
Thermal Conductivity: 0.036 at Mean temp 24°C max
Water Absorption: 5% by weight max
Water Vapor Permeability: 0.1 Perm-inch (0.15x10^-12 kg/Pa s m) max
Compression Set: Excellent
Flammability: Self-extinguishing
10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Conditions to avoid</th>
<th>Negligible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Decomposition Product</td>
<td>May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No Data

13. DISPOSAL CONSIDERATION

Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet federal, state, and local environmental regulation.

14. TRANSPORT INFORMATION

No Data

15. REGULATORY INFORMATION

No Data

16. OTHER INFORMATION

The information supplied herein is related to material specified and may not be valid if used in combination with other material or process. Further the information contained here is believed to be reliable and based on correct state of our knowledge. However no guarantees of any kind can be give as to its accuracy.