# SAFETY DATA SHEET

**Aerocel AC, CG, Continuous Tube**  
**Non-Continuous Tube, Aerofit Fitting Covers**  

## 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Identification of Product:</th>
<th>Closed Cell Elastomeric Thermal Insulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Name:</td>
<td>Aerocel</td>
</tr>
<tr>
<td></td>
<td>Aerocel AC, CG, Continuous Tube, Non-Continuous Tube, Aerofit Fitting Covers</td>
</tr>
<tr>
<td>Manufacturer/Supplier:</td>
<td>Aeroflex USA, Inc.</td>
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<tr>
<td></td>
<td>282 Industrial Park Road</td>
</tr>
<tr>
<td></td>
<td>Sweetwater, TN 37874</td>
</tr>
<tr>
<td>Telephone:</td>
<td>Toll Free 866-AEROCEL (237-6235)</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>(423)351-7368</td>
</tr>
<tr>
<td>Email Address:</td>
<td><a href="mailto:sales@aeroflexusa.com">sales@aeroflexusa.com</a></td>
</tr>
</tbody>
</table>

## 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–Theropolymer Rubber) CAS No. 25038–36–2
- Aluminum Trihydrate CAS No. 21645–51–2
- Carbon Black CAS No. 1333–86–4

## 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 material 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
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.