

SAFETY DATA SHEET

Aerocel-Laminated Sheet

Date of Issue:
6/10/15



Aeroflex USA Inc.

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, sulfurcured 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

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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 (0.15x10¹²kg/Pa s m) max

Compression Set Excellent

Flammability Self-extinguishing

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10. STABILITY AND REACTIVITY

Conditions to avoid	Negligible
Hazardous Decomposition Product	May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid
Hazardous Polymerization	Will not occur

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.



