

SAFETY DATA SHEET
Aerocel-SSPT

Date of Issue:
5/10/15



Aeroflex USA Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product: Closed cell elastomeric thermal insulation sliced tube with self-sealing tape and protective rubber tape

Trade Name: Aerocel-SSPT

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

Health Hazardous Components

Elastomeric thermal insulation is an expanded, closed cell, cross-linked rubber compound. The rubber tape is a rubber type compound. They contain synthetic polymers, fillers, plasticizers and rubber chemicals. Since all of these material are bound in a polymer matrix, the product does not qualify as a hazardous material as defined by OSHA (29 CFR 1910.1200). Pressure sensitive coating is a synthetic rubber based adhesive with a paper release liner and is classified as an article which is not hazardous as defined by OSHA (29 CFR 1910.1200).

Following are the main ingredients in this product:

Ethylene-Propylene-Terpolymer

Formal Name: EPT/EPDM
Chemical Family: Synthetic Rubber
Chemical Formula: $-(C_2H_4)_X-(C_3H_7)_Y-(Diene)_Z-$
CAS no. 25038-36-2

Aluminium Trihydrate

Formal Name: Aluminium Oxide Trihydrate
Chemical Name: Aluminium Trihydrate/Aluminium Hydroxide
Chemical Formula: $Al(OH)_3$
CAS No. 21645-51-2

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Carbon Black

Formal Name: Furnace Black
Chemical Name: Carbon Black
Chemical Family: High-Purity Colloidal Carbon
Chemical Formula: C
CAS No. 1333-86-4

Adhesive

Formal Name: Acrylic Pressure Sensitive Adhesive
Chemical Name: Acrylic Polymer
Chemical Family: Copolymers of acrylic acid, methacrylic acid, ester of these acid.
Chemical Formula: $(C_5H_8O_2)_n$
CAS No. 90011-14-7

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

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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

Keep in a cool dry place. Rotate Stock.

Do not breathe decomposed products

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: General ventilation

Personal Protection: Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded rubber foam with self sealing tape and protective rubber tape

Specific Gravity: 0.04-0.08

Water Absorption: 5% by weight max

Water Vapor Permeability: 0.1 Perm-inch (0.15x10¹²kg/Pa s m) max

Temperature Range: -57 to +125°C (-70 to +257°F)

Flammability: Self-extinguishing

10. STABILITY AND REACTIVITY

Stability and Reaction: Stable

Condition to Avoid: N/A

Hazardous Decomposition Products: May generate CO, CO₂, low molecular weight alcohols aldehydes and acids

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No Data

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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 special precautions required

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 the correct state of our knowledge. However, no guarantees of any kind can be given as to its accuracy.
