

MATERIAL SAFETY DATA SHEET

Aeroflex / Aerocel-SSPT Insulation

Prepared 11/2011

I. PRODUCT IDENTIFICATION

Name: Aerocel-SSPT- Closed Cell Elastomeric Thermal Insulation slit tube with self-sealing tape and protective rubber tape

II. CHEMICAL NAME

Ethylene - Propylene - Terpolymer Rubber blended compound and acrylic pressure sensitive adhesive.

III. PRODUCT CONTENT

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 materials are bound in a polymer matrix, this 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 non hazardous as defined by OSHA (29 CFR 1910.1200).

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Manufactured in Sweetwater, TN
USA

IV. COMPOSITION / INFORMATION ON INGREDIENTS

Ethylene-Propylene-Terpolymer Rubber Formal Name: EPT/EPDM Chemical Family: Synthetic Rubber An Appropriate container for reuse or disposal CAS No.: 25038-36-2	Alumina Trihydrate Chemical Name: Alumina Trihydrate/Aluminum Hydroxide Formal Name: Aluminum Oxide Trihydrate CAS No.: 21645-51-2	Carbon Black Chemical Name: Carbon Black Formal Name: Furnace Black Chemical Family: High - Purity Colloidal Carbon CAS No. 1333-86-4
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Adhesive
Formal Name: Acrylic Pressure Sensitive Adhesive.
Chemical Name: Acrylic Polymer
Chemical Family: Copolymers of acrylic acid, methacrylic acid, ester of these acid.
CAS No.: 90011-14-7

V. HAZARD IDENTIFICATION (Health Hazards)

Inhalation: No significant signs of any adverse health hazards 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
Skin Contact: No significant signs of any adverse health hazards are expected to occur as a result of skin contact
Ingestion: Practically non-toxic

VI. FIRST AID MEASURES

Inhalation: Not required under normal use. If irritation persists, remove from exposed area.
Eye Contact: Not required under normal use. Flush with water until all traces of this material are gone. Seek medical attention if irritation persists.
Skin Contact: Not required under normal use.
Ingestion: If illness or adverse symptoms develop, obtain medical attention.

VII. 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:
May generate Carbon Monoxide, Carbon Dioxide, low molecular weight alcohols, aldehydes and acids.

VIII. ACCIDENTAL RELEASE MEASURES

Steps if materials released/spilled:
Land spilled: Collect spilled material and place in an appropriate container for reuse or disposal.
Water spilled: Product is insoluble. Collect spilled material and place in an appropriate container for reuse or disposal.
Neutralizing Agent: N/A

IX. HANDLING AND STORAGE

Keep in a cool dry place. Rotate stock

XI. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded Rubber Foam with self sealing tape & protective rubber tape.
Specific Gravity (H₂O=1): 0.04-0.09
Temperature Range: -57°C to +125°C (-70°F to +257°F)
Thermal Conductivity: 0.035 W/mK (0.245 Btu in/ft² hr °F) at 24°C (75°F)
Water Vapor Permeability: 0.03 Perm-inch (4.38x10⁻¹⁴ Kg/Pa s m)
Water Absorption: 5% by weight
Compression Set: Excellent
Flammability: Self-extinguishing

XII. STABILITY AND REACTIVITY

Stability and Reactivity: Stable.
Conditions to avoid: N/A
Hazardous Decomposition products: May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohols, aldehydes and acids.
Hazardous polymerization: Will not occur.

XIII. TOXICOLOGICAL INFORMATION

No Data.

XIV. ECOLOGICAL INFORMATION

No Data.

XV. 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 regulations.

XVI. TRANSPORT INFORMATION

N/A

XVII. REGULATORY INFORMATION

No Data.

XVIII. OTHER INFORMATION

The information supplied herein is related to material specified and may not

Do not breathe decomposed products.

X. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: General ventilation

Personal Protection: N/A

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.