

# Material Safety Data Sheet

## Aeroflex / Aerotape Aerocel Foam Tape

Prepared 12/04

### I. PRODUCT IDENTIFICATION

Elastomeric closed cell self-adhesive tape.

### II. CHEMICAL NAME

Ethylene-Propylene-Terpolymer Rubber blended compound with Acrylic Pressure sensitive adhesive

### III. COMPOSITION / INFORMATION ON INGREDIENTS

This product is an expanded, closed cell, cross-linked rubber compound It contains 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). Following are the main ingredients on this product.

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Manufactured in Sweetwater, TN  
USA

### IV. COMPOSITION / INFORMATION ON INGREDIENTS

Ethylene-Propylene-Terpolymer  
Formal Name: EPT/EPDM  
Chemical Family: Synthetic Rubber  
Chemical Formula: (C<sub>2</sub>H<sub>4</sub>)<sub>x</sub> (C<sub>3</sub>H<sub>7</sub>)<sub>y</sub>  
(Diene)<sub>z</sub>  
CAS No.: 25038-36-2

Formal Name: Aluminum Oxide Trihydrate  
Chemical Formula: Al (O H)<sub>3</sub>  
CAS No.: 21645-51-2

CAS No.: 1333-86-4

Aluminum Tryhydrate  
Chemical Name: Aluminum Trihydrate /  
Aluminum Hydroxide

Carbon Black  
Chemical Name: Carbon black  
Formal Name: Furnace black  
Chemical Family: High-Purity Colloidal  
Carbon  
Chemical Formula: C

Adhesive  
Chemical Name: Acrylic Polymer  
Formal Name: Acrylic pressure sensitive  
adhesive  
Chemical Family: Copolymers of acrylic acid,  
methacrylic acid, ester of these acid  
Chemical Formula: (C<sub>5</sub>H<sub>8</sub> X)<sub>n</sub>  
CAS No.: 9011-14-7

### V. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping Name: Not regulated  
Hazard Class: N/A  
ID#: N/A

### VI. HAZARDOUS IDENTIFICATIONS

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

### VII. FIRE FIGHTING MEASURES

Extinguishing: Carbon dioxide, ABC dry chemical, water spray and foam. Specific hazards with regard to Firefighting measures: Approach from upwind side. Avoid breathing smoke fumes or vapors on down-wind 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

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 it in an appropriate container for reuse or disposal. Neutralizing Agent: N/A

### IX. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: General ventilation. Personal Protection: N/A

### X. FIRST AID MEASURES

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

### XI. HANDLING AND STORAGE

Keep in a cool dry place. Rotate stock. Do not breathe decomposed products.

### XII. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded rubber foam with pressure sensitive adhesive. Specific Gravity (H<sub>2</sub>O=1): 0.13-0.16 Water Absorption: 5% by weight Service Temperature: -29 to +93 C (-20 to +200 F) Thermal Conductivity: 0.050 W/mK (0.26 Btu in/ft<sup>2</sup> hr F) at 24 degrees C (75 F) Flammability: Self extinguishing Soluble in Water: Insoluble

### XIII. STABILITY AND REACTIVITY

Stable. Conditions to Avoid: N/A Hazardous Decomposition Product: May generate carbon monoxide, carbon dioxide, low molecular weight alcohols, aldehydes and acids. Hazardous Polymerization: Will not occur.

### XIV. DISPOSAL CONSIDERATIONS

Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet Federal, State and local environmental regulations.

### XV. OTHER INFORMATION

This information is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The user should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of them. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process is the responsibility of the user.