

MATERIAL SAFETY DATA SHEET

Aeroflex / Aerocel-WG Insulation

Prepared 12/04

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I. PRODUCT IDENTIFICATION

Name: Aerocel – EPDM Closed Cell Elastomeric Thermal Insulation tube and sheet.

II. CHEMICAL NAME

Ethylene-Propylene-Terpolymer Rubber blended compound

III. PRODUCT CONTENT

This product is classified as an "article" according to title 29 of the Code of Federal Regulations, OSHA Part 29 CFR. 1200c. They are formed to a specific shape or design during manufacture, has end use functions dependent upon their shape and design, and does not release any hazardous chemical under normal conditions of use.

IV. COMPOSITION / INFORMATION ON INGREDIENTS

Ethylene-Propylene-Terpolymer
Formal Name: EPT / EPDM
Chemical Family: Synthetic Rubber
Chemical Formula: (C₂ H₄)_x (C₃ H₇)_y (Diene)_z
An appropriate container for reuse or disposal
CAS No.: 25038-36-2

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

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

V. 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.

VI. ACCIDENTAL RELEASE MEASURES

Steps if materials released/spilled:
Land spill: Collect spilled material and place 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: N/A

VII. HAZARDOUS 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

VIII. 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.

IX. 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.

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded rubber foam. Specific gravity (H₂O=1): 0.04-0.09; Service Temperature: -57 50 +105 C (-70 tp +220 F); Thermal Conductivity (W/mK): 0.040 at mean temp 40 C; Water vapor permeability: 0.10 perm-inch (0.15X10⁻¹²Kg/Pa s m); Water Absorption (% by weight): 5% by weight; Compression set: Excellent; Flammability: Self-extinguishing

XI. OTHER INFORMATION

The information supplied herein is related to material specified and may not be valid if used in combination with other materials or processes. 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 given as to its accuracy.