

# MATERIAL SAFETY DATA SHEET

## Aerocel - W/G Insulation

Prepared 8/2010

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Manufactured in Sweetwater, TN  
USA

### I. PRODUCT IDENTIFICATION

Name: Aerocel - EPDM White Gray Closed Cell Elastomeric Thermal insulation

### II. CHEMICAL NAME

Ethylene - Propylene - Terpolymer Rubber blended compound

### III. PRODUCT CONTENT

This product is an expanded, closed cell, cross-linked rubber type compound. It contains synthetic polymers, fillers, plasticizers and rubber chemicals. Since all of these material are bound in a polymer matrix, this product does not qualify as a hazardous material as defined by OSHA (29 CFR 1910.1200).

### 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:

Aluminum Tryhydrate/Aluminum Hydroxide

Formal Name: Aluminum Oxide Trihydrate

CAS No.: 21645-51-2

Titanium Dioxide

Chemical Name:

Titanium Dioxide

CAS No: 13463-67-7

### 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: 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.

### 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

Handling condition: No special precaution required

Storage condition: Keep in a dry normal storage.

### X. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: General ventilation

Personal Protection: N/A

### XI. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded Rubber Foam

Specific Gravity (H<sub>2</sub>O=1): 0.04-0.09

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

Thermal Conductivity (W/mK): 0.037 w/mk (0.25 Btu in/fl<sup>2</sup>, hr. °F)

Water Vapor Permeability: 0.10 Perm-inch (0.15x10<sup>-12</sup> 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

No Specific precautions required.

### XVII. REGULATORY INFORMATION

No Data.

### XVIII. 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 to its accuracy.