

MATERIAL SAFETY DATA SHEET

Aeroflex / Nitrile/PVC Continuous Length Insulation

Prepared 12/04

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I. PRODUCT IDENTIFICATION

Name: Closed Cell Elastomeric Thermal Insulation for insulating hot and cold Piping systems.

II. CHEMICAL NAME

Synthetic rubber (NBR: Butadiene-acrylonitrile-rubber)

III. PRODUCT CONTENT

This product is an expanded, closed cell, cross-linked rubber type compound. It contains synthetic polymer, fillers, plasticizers and rubber chemicals.

IV. COMPOSITION / INFORMATION ON INGREDIENTS

Synthetic Rubber (NBR: Butadiene-acrylonitrile-rubber CAS No. 9003-18-3

Poly (vinyl chloride) CAS No. 9002-86-2

Carbon Black CAS No. 1333-86-4

Aluminum Trihydrate CAS No. 21645-51-2

V. FIRE FIGHTING MEASURES

Carbon Dioxide, ABC dry chemical, water spray and foam
Approach from upwind side. Avoid breathing smoke, fumes or vapors on the downwind side. Firefighters wear protective clothing, especially eye protection, and self contained breathing apparatus. Material is stable under normal conditions. In the event of a prolonged fire, may generate Carbon Monoxide, Carbon Dioxide and water evolved together with small quantities of other gases (e.g. Nitrogen Oxide, Hydrogen Chloride) dependent upon the heat of the fire.

VI. ACCIDENTAL RELEASE MEASURES

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.

Ingestion: Practically non toxic

Skin Contact: No significant signs of any adverse health hazards are expected to occur as a result of skin contact.

VIII. FIRST AID MEASURES

Inhalation: Not required under normal use, any dust created when the material is cut would not be airborne. If irritation persists, remove from exposure area.

Eye Contact: Not required under normal use. Flush with water until all traces of the material are gone. Seek medical attention if irritation persists.

Ingestion: If illness or adverse symptoms develop, obtain medical attention.

Skin Contact: Not required under normal use

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 environment regulations.

X. HANDLING AND STORAGE

Handling Conditions: No special precautions required

Storage Conditions: Keep in a dry normal storage

XI. PHYSICAL AND CHEMICAL PROPERTIES

Form: Flexible tube or sheet. Foamed with closed cell structure.

Specific Gravity (H₂O=1): 0.04-0.09

Temperature Range: -4 to +221 degrees F (-20 to +105 C)

Thermal Conductivity (Btu.in/h.ft².F): 0.25 at Mean temp 75 degrees

Water Absorption (% by weight): 10%

Oil and Grease Resistance: Excellent

Weather and UV Resistance: Good

Flammability: Self Extinguishing

Flexibility: Excellent

Compression Set: Excellent

XII. TRANSPORTATION INFORMATION

No special precautions required.

XIII. 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 herein is believed to be reliable and based on correct state of our knowledge. However, no guarantees of any kind can be given to its accuracy.