

SAFETY DATA SHEET



Date of Issue: 01/01/2023

AEROFLEX® Self-Seal™ Pre-Slit EPDM Pipe Insulation

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1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|------------------------------------|---|
| Identification of Product: | Closed Cell EPDM Thermal Insulation sliced tube with self-sealing tape and protective rubber tube |
| Trade Name: | AEROFLEX® Self-seal™ |
| Manufacturer/Supplier: | Aeroflex USA, Inc. 282 Industrial Park Road, Sweetwater, TN 37874 |
| Telephone Number: | Toll Free 1-866-237-6235 |
| Emergency Telephone Number: | ChemTel, Inc. 1-800-255-3924 (North America) 1-813-248-0585 (International) |

2. HAZARD IDENTIFICATION

Inhalation

No significant signs of any adverse health hazard 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Health Hazardous Components

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 material are bound in a polymer matrix, the 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 not hazardous as defined by OSHA (29 CFR 1910.1200).

Following are the main ingredients in this product:

Rubber

Synthetic rubber (EPDM: Ethylene-Propylene-Terpolymer Rubber) CAS No. 25038-36-2

Aluminum Trihydrate CAS No. 21645-51-2

Carbon Black CAS No. 1333-86-4

Pressure Sensitive Adhesive

Copolymers of acrylic acid, methacrylic acid, ester of these acid CAS No. 90011-14-7

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4. FIRST AID MEASURES

| | |
|---------------------|--|
| Inhalation | Not required under normal use. If irritation persists, remove from exposure area |
| Eye Contact | No required under normal use. Flush with water until all traces of the material are done. Seek medical attention if irritation persists |
| Ingestion | If illness or adverse symptoms develop, obtain medical attention |
| Skin Contact | Not required under normal use |

5. 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.

6. ACCIDENTAL RELEASE MEASURES

If materials 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 in an appropriate container for reuse or disposal |
| Neutralizing Agent | Negligible |

7. HANDLING AND STORAGE

| | |
|---------------------------|--------------------------------|
| Handling Condition | No special precaution required |
| Storage Condition | Keep in dry normal storage |

8. EXPOSURE CONTROL/PERSONAL PROTECTION

| | |
|-----------------------------|---------------------|
| Engineering Controls | General ventilation |
| Personal Protection | Negligible |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Appearance: | Expanded Foam Rubber |
| Specific Gravity (H₂O=1) | 0.04-0.06 |
| Service Temperature | -297°F to 257°F (-183°C to +125°C) |
| Thermal Conductivity | 0.245 BTU.in/ft ² .hr.°F at Mean temp 75°F |

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9. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

| | |
|----------------------------------|--|
| Water Absorption | 0.2% by volume Max |
| Water Vapor Permeability | 0.03 Perm-inch (4.35 x 10 ⁻¹¹ g/Pa.m.s) |
| Weather and UV resistance | Minimal Cracking |
| Flammability | Self-extinguishing |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability and Reaction | Stable |
| Conditions to avoid | Negligible |
| Hazardous Decomposition Product | May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid |
| Hazardous Polymerization | Will not occur |

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No Data

13. 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 regulation.

14. TRANSPORT INFORMATION

No Data

15. REGULATORY INFORMATION

No Data

16. 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 as to its accuracy.
