

SAFETY DATA SHEET

Date of Issue:

5/10/15



Aeroflex USA Inc.

**Aerocel AC, Aerocel WG, CG, Continuous Tube
Non-Continuous Tube, AeroFit Fitting Covers****1. PRODUCT AND COMPANY IDENTIFICATION**

Identification of Product: Closed Cell Elastomeric Thermal Insulation

Trade Name: Aerocel
Aerocel AC, Aerocel WG, CG, Continuous Tube, Non-Continuous Tube,
AeroFit Fitting Covers

Manufacturer/Supplier: **Aeroflex USA, Inc.**
282 Industrial Park Road
Sweetwater, TN 37874

Telephone: Toll Free 866-AEROCEL (237-6235)

Fax Number: (423)351-7368

Email Address: sales@aeroflexusa.com

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

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

Following are the main ingredients in this product:

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

Aluminum Trihydrate CAS No. 21645-51-2

Carbon Black CAS No. 1333-86-4

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

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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: 0.04-0.08
Service Temperature -57 to +125°C (-70 to 257°F)
Thermal Conductivity 0.036 at Mean temp 24°C max
Water Absorption 5% by weight max
Water Vapor Permeability 0.1 Perm-inch (0.15x10¹²kg/Pa s m) max
Compression Set Excellent
Flammability Self-extinguishing

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10. STABILITY AND REACTIVITY

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.

Material Safety Data Sheet

AP Armaflex

Prepared 01/08 – Replaces 04/04

Armacell LLC
7600 Oakwood Street Extension
Mebane, NC 27302
(919) 304-3846

I. PRODUCT IDENTIFICATION

Name: AP Armaflex Products: including AP Armaflex Tube, AP Armaflex SS Tube, AP Armaflex Sheet and Rolls, AP Armaflex SA Sheet and Rolls, AP Armaflex Tape, and AP Armaflex W.

Description: Expanded, closed-cell, cross-linked rubber type compound. Available in various sizes and in several forms; e.g., pipe insulation, sheet insulation and insulating tape.

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not classified. Hazard Class: N/A ID # N/A

III. HMIS (0 = minimal hazard; 4 = severe hazard)

Health = 0 Flammability = 1 Reactivity = 0

IV. PRODUCT CONTENT

This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200©. 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. This product does NOT contain asbestos or polychlorinated biphenyls.

V. HAZARDOUS INGREDIENTS

<u>(Chemical Identity; Common Name)</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TVL</u>
None				

VI. PHYSICAL DATA

APPEARANCE AND COLOR: Black, dark gray or white. BOILING POINT (°F): N/A. VAPOR PRESSURE (mm Hg @ 20°C): N/A. VAPOR DENSITY (Air = 1): N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY (H₂O=1): N/A. PERCENT VOLATILE BY WEIGHT (30 min. @275°F): N/A. EVAPORATION RATE (Butyl Acetate=1) : N/A. pH: N/A VOC: N/A.

when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A -not applicable or not available
N/K – none known or not known

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A. RANGE: LEL = N/A. UEL = N/A. EXTINGUISHING MEDIA: Water. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

VIII. HEALTH HAZARD DATA

PRIMARY ROUTE (S) OF ENTRY: N/A. TARGET ORGANS: N/A. EFFECTS OF OVEREXPOSURE: SKIN AND EYES: N/A. INHALATION: N/A. CARCINOGENICITY: NTP: No IARC Monographs: No OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE N/A. FIRST AID PROCEDURES: SKIN AND EYES: N/A. INHALATION N/A. INGESTION N/A.

IX. REACTIVITY DATA

STABILITY N/A. INCOMPATIBILITY: N/A. HAZARDOUS DECOMPOSITION PRODUCTS: N/A. HAZARDOUS POLYMERIZATION: N/A.

X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED N/A. WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations

XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: N/A. RESPIRATORY PROTECTION N/A. SKIN AND EYE PROTECTION: N/A.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE N/A. OTHER PRECAUTIONS: N/A. WORK SITE ENVIRONMENT: N/A.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed