

SAFETY DATA SHEET
AEROTAPE

Date of Issue:
5/10/15



Aeroflex USA Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product: Elastomeric Thermal Insulation Foam Tape
Trade Name: Aertape
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

Health Hazardous Components

This product is an expanded, closed cell, cross-linked rubber 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). 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.

Ethylene-Propylene-Terpolymer

Formal Name: EPT/EPDM
Chemical Family: Synthetic Rubber
Chemical Formula: $-(C_2H_4)_X-(C_3H_7)_Y-(Diene)_Z-$
CAS no. 25038-36-2

Aluminum Trihydrate

Formal Name: Aluminium Oxide Trihydrate
Chemical Name: Aluminium Trihydrate/Aluminium Hydroxide
Chemical Formula: $Al(OH)_3$
CAS No. 21645-51-2

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Carbon Black

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

Azodicarbonamide

Chemical Name: Azodicarbonamide
Formal Name: Blowing Agent
Chemical Formula: $C_2H_4N_4O_2$
CAS No. 123-77-3

Accelerator MBTS

Chemical Name: 2,2'-Dithiobis (benzothiazole)
Formal Name: Accelerator MBTS
Chemical Formula: $C_{14}H_8N_2S_4$
CAS No. 120-78-5

Chlorinated Paraffin

Chemical Name: $C_{14}C_{17}$ Chlorinated Paraffin
Formal Name: Medium-chain chlorinated paraffins
Chemical Formula: $C_xH(2x-y+2)Cl_y$, where $x=14-17$ and $y=1-17$
CAS No. 90011-14-7

Adhesive

Chemical Name: Acrylic Polymer
Formal Name: Acrylic Pressure Sensitive Adhesive
Chemical Family: Copolymers of acrylic acid, methacrylic acid, ester of these acid
Chemical Formula: $(C_5H_8O_2)_n$
CAS No. 90011-14-7

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 may generate Carbon Monoxide, Carbon Dioxide, low molecular weight alcohols, aldehydes and acids

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

Keep in a cool dry place. Rotate Stock.

Do not breathe decomposed products

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: General ventilation

Personal Protection Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded foam rubber with acrylic pressure sensitive adhesive
Specific Gravity 0.01-0.08
Thermal Conductivity ≤ 0.037 W/mK (0.025 Btu in/ft² hr °F) at 24°C (75°F)
Water Absorption $\leq 5\%$ by weight
Water Vapor Permeability 0.10 Perm-inch (0.15 x 10⁻¹²kg/Pa s m)
Temperature Range -29 to +93°C (-20 to +200°F)
Flammability Self extinguishing

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10. STABILITY AND REACTIVITY

Stability and Reaction:	Stable
Condition to Avoid:	N/A
Hazardous Decomposition Products:	May generate CO, CO ₂ , low molecular weight alcohols aldehydes and acids
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

Proper Shipping Name:	Not regulated
Hazard class	Negligible
Identification Number	Negligible
DOT Emergency Guide #	Negligible
Reported Quantity (RO)	Negligible
International	Negligible

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 reliable and based on correct state of our knowledge. However no guarantees of any kind can be give as to its accuracy.