



Date of Issue: 01/01/2023

**SAFETY DATA SHEET**

**AEROTAPE™**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

Identification of Product:	EPDM thermal Insulation Foam Tape
Trade Name:	AEROTAPE™
Manufacturer/Supplier:	Aeroflex USA Inc. 282 Industrial Park Rd 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)

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**2. Hazards Identification**

<b>[GHS Classification]</b>	
<b>Physical Hazard</b>	: None.
<b>GHS Classification</b>	: Not a hazardous substance or mixture.
<b>GHS label elements</b>	: Not a hazardous substance or mixture.
<b>Other hazards</b>	: None.
<b>Signal word</b>	: No Hazard Statement.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Description** : 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 no 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

**Aluminium Trihydrate**

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

**Carbon Black**

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

**SAFETY DATA SHEET****AEROTAPE**<sup>™</sup>**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

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**4. 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. Flash with water until all traces of this 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.

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**5. FIRE FIGHTING MEASURES****Extinguishing Media**

Carbon dioxide, ABC dry chemical, water spray and foam.

**SAFETY DATA SHEET****AEROTAPE™****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.

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**6. ACCIDENTAL RELEASE MEASURES****In Event of 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 it in an appropriate container for reuse or disposal.

**Neutralizing Agent** : N/A

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**7. HANDLING AND STORAGE**

**Handling condition** : No special precaution required.

**Storage condition** : Keep in a dry normal storage.

**Storage Temperature** : Ambient temperature.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**Engineering Controls** : General ventilation.

**Personal Protection** : Negligible.

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**SAFETY DATA SHEET****AEROTAPE**<sup>™</sup>**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	: Expanded rubber foam with acrylic pressure sensitive adhesive
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	: 0.04-0.08
<b>Service Temperature (°C)</b>	: -29 to +93°C (-20 to +200°F)
<b>Thermal Conductivity (Btu.in/h.ft<sup>2</sup>.°F)</b>	: 0.038 at mean temp 24°C max
<b>Water Vapor Permeability</b>	: 0.1 Perm-inch max
<b>Water Absorption (%by weight)</b>	: 5 % by weight max
<b>Flammability</b>	: Self-extinguishing

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**10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	: Stable under normal temperatures and pressure.
<b>Condition to Avoid</b>	: None known.
<b>Decomposition Product</b>	: May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/ aldehydes and acid
<b>Hazardous Polymerization</b>	: Will not occur.

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**11. TOXICOLOGICAL INFORMATION**No Hazardous Substance.

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**12. ECOLOGICAL INFORMATION**Classified as non-hazardous to waters.

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**13. DISPOSAL CONSIDERATION**

<b>Disposal</b>	: Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet federal, State and Local environmental regulation.
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**SAFETY DATA SHEET****AEROTAPE**<sup>™</sup>**14. TRANSPORTATION INFORMATION****International Regulations****IATA-DGR** : Not regulated as a dangerous goods**IMDG-Code** : Not regulated as a dangerous goods**Domestic regulation** : Not regulated as a dangerous goods

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**15. REGULATORY INFORMATION****International regulation** : EU Regulation (EC) No.1272/2008 on classification, labeling and packaging of chemical substances and mixtures.**U.S. Federal regulations** : OSHA Hazard Communication Standard, 29 CFR 1910.1200**Thai regulation** : Hazardous substance (Praradbunyut 2535)

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**16. OTHER INFORMATION****Reference data** : Globally Harmonized System of Classification and Labeling of Chemicals – GHS**Abbreviation: CLP:** EU Regulation (EC) No.1272/2008 on classification, labeling and packaging of chemical substances and mixtures.**U.S. Federal regulations** : OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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.

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