



SAFETY DATA SHEET

AEROTAPE

Date of issue: January 20, 2023

Revision: 03

SDS Number: MC-010

Page1

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of	:	Elastomeric Thermal Insulation Foam Tape
Product Trade Name	:	AEROTAPE
Manufacturer	:	AEROFLEX CO., LTD
Supplier	:	AIREFRIG AUSTRALIA PTY LTD 75 Beechboro Road Bayswater, WA 6053
Telephone Number	:	08 9271 0500
Fax Number	:	08 9272 8837
Email Address	:	sales@airefrig.com.au

2. Hazards Identification

[GHS Classification]

Physical Hazard	:	None.
GHS Classification	:	Not a hazardous substance or mixture.
GHS label elements	:	Not a hazardous substance or mixture.
Other hazards	:	None.
Signal word	:	No Hazard Statement.

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

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Page3

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, 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 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.

5. FIRE FIGHTING MEASURES

Extinguishing Media

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



SAFETY DATA SHEET

AEROTAPE

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Page4

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

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

7. HANDING AND STORAGE

Handling condition : No special precaution required.

Storage condition : Keep in a dry normal storage.

Storage Temperature : Ambient temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls : General ventilation.

Personal Protection : Negligible.



SAFETY DATA SHEET

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Date of issue: January 20, 2023

Revision: 03

SDS Number: MC-010

Page5

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Expanded rubber foam with acrylic pressure sensitive adhesive
Specific Gravity (H₂O=1)	: 0.04-0.08
Service Temperature (°C)	: -29 to +93°C (-20 to +200°F)
Thermal Conductivity (w/m.k)	: 0.038 at mean temp 24°C max
Water Vapor Permeability	: 0.1Perm-inch (0.15 x 10 ⁻¹² kg/Pa s m) max
Water Absorption (%by weight)	: 5 % by weight max
Flammability	: Self-extinguishing

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

No Hazardous Substance.

12. ECOLOGICAL INFORMATION

Classified as non-hazardous to waters.

13. DISPOSAL CONSIDERATION

Disposal	: 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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SDS Number: MC-010

Page6

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

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)

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.
