

AEROFLEX-HT/ AEROCEL-HT

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1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product	:	Closed Cell Elastomeric Thermal Insulation
Trade Name	:	AEROFLEX-HT/AEROCEL-HT
Manufacturer	:	Aeroflex Co., Ltd. 111/7, 111/11 Mu 2 Tambol Makhamku, Amphur Nikompattana, Rayong, Thailand 21180
Supplier	:	Airefrig Australia Pty Ltd 75 Beechboro Road Bayswater, Western Australia
Telephone Number	:	08 9272 8977
Fax Number	:	08 9370 2868
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 type compound. It contains synthetic polymer, fillers, plasticizers and rubber chemicals. Following are the main ingredients in this product:

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

Aluminum Tri hydrate CAS No. 21645-51-2

Carbon Black CAS No. 1333-86-4

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.

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. HANDLING 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Flexible tube or sheet. Foamed with closed cell structure.

Specific Gravity (H₂O=1) : 0.04-0.08



SAFETY DATA SHEET

AEROFLEX-HT/ AEROCEL-HT

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Service Temperature (°C)	: Up to 150°C (Up to +302°F) 175°C Interval Temperature
Thermal Conductivity (w/m.k)	: W/m.K @ 23°C = 0.0339
Water Vapor Permeability	: 0.10 Perm-inch (0.15×10^{-12} kg/Pa s m) max
Water Absorption (%by weight)	: Less than 10 % by weight
Flammability	: Self-extinguishing
Compression Set	: Excellent

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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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

Thai regulation : Hazardous substance (Praradbunyut 2535)

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.**

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.
