

**AEROFLEX-HT/ AEROCCEL-HT**

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Page1**1. PRODUCT AND COMPANY IDENTIFICATION**

Identification of Product	:	Closed Cell Elastomeric Thermal Insulation
Trade Name	:	AEROFLEX-HT/AEROCCEL-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	:	<a href="mailto:sales@airefrig.com.au">sales@airefrig.com.au</a>

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**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.

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**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

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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. 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.

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

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

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**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**

<b>Land Spill</b>	: Collect spilled material and place it in an appropriate container for reuse or disposal.
<b>Water Spill</b>	: Product is insoluble. Collect spilled material and place it in an appropriate container for reuse or disposal.
<b>Neutralizing Agent</b>	: N/A

**7. HANDLING AND STORAGE**

<b>Handling condition</b>	: No special precaution required.
<b>Storage condition</b>	: Keep in a dry normal storage.
<b>Storage Temperature</b>	: Ambient temperature.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>Engineering Controls</b>	: General ventilation.
<b>Personal Protection</b>	: Negligible.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	: Flexible tube or sheet. Foamed with closed cell structure.
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	: 0.04-0.08

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Service Temperature (°C)	: -57 to +150°C (-70 to +302°F)
	175°C Interval Temperature
Thermal Conductivity (Btu.in/h.ft <sup>2</sup> .°F)	: 0.038 at Mean temp 24°C max
Water Vapor Permeability	: 0.15 Perm-inch (0.22 x10 <sup>-12</sup> kg/Pa s m) max
Water Absorption (%by weight)	: 5 % by weight max
Flammability	: Self-extinguishing
Compression Set	: Excellent

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**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.

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**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

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## **15. REGULATORY INFORMATION**

**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.

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