



## ***SAFETY DATA SHEET***

### ***AEROFLEX/ AEROCEL***

Date of issue: February 05, 2020

Revision: 05

SDS Number: MA-001

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## **1. PRODUCT AND COMPANY IDENTIFICATION**

Identification of Product	:	Closed Cell Elastomeric Thermal Insulation for insulating hot and cold piping system.
Trade Name	:	AEROFLEX/AEROCEL
Manufacturer	:	AEROFLEX CO., LTD
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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Page3**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**

<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

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**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.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

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

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**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 +125°C (-70 to +257F)
Thermal Conductivity (W/m.K)	: W/m.K @ 23°C = 0.0367 W/m.K @ 15°C = 0.0356
Water Vapor Permeability	: 0.1 Perm-inch ( $0.15 \times 10^{-12}$ kg/Pa s m) max
Water Absorption (%by Weight)	: 5 % by weight max
Water Absorption (%by Volume)	: 0.20 % by volume max
Weather and UV resistance Heat	: Very Good
Stability (104oC x 7 days)	: 7 % max
Flammability	: Self-extinguishing
Flexibility	: 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.

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**12. ECOLOGICAL INFORMATION**

Classified as non-hazardous to waters.

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**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.

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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