



SAFETY DATA SHEET

AEROFLEX-HT/ AEROCEL-HT

Date of issue: October 16, 2017

Revision: 01

SDS Number: MC-002

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---------------------------|---|--|
| Identification of Product | : | Closed Cell Elastomeric Thermal Insulation |
| Trade Name | : | AEROFLEX /AEROCEL |
| 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. |



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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

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.



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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

| | |
|---------------------------|--|
| 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 |



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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 ² .°F) | : 0.038 at Mean temp 24°C max |
| Water Vapor Permeability | : 0.15 Perm-inch (0.22 x10 ⁻¹² kg/Pa s m) max |
| Water Absorption (%by weight) | : 5 % by weight max |
| 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.
