



บริษัท ตะวันออกโพลีเมอร์อุตสาหกรรม จำกัด
EASTERN POLYMER INDUSTRY CO.,LTD
เลขที่ 111/7 หมู่ 2 ต.มะขามคู่ อ.นิคมพัฒนา จ.ระยอง 21180
โทรศัพท์ : 038-917111-120 ต่อ 2513 Fax.038-917121

SAFETY DATA SHEET

AEROFLEX-HT

Date of issue: August 6,2009

Production Name : AEROFLEX-HT

MSDS Number: IH-006

Revision: 2

1. Product and Company Identification

Identification of Product	:	Closed Cell Elastomeric Thermal Insulation.
Trade Name	:	AEROFLEX-HT
Manufacturer/Supplier	:	Eastern Polymer Industry Co., Ltd. 111/7 Mu 2 Tambol Makhamku, Amphur Nikom pattana, Rayong Thailand. 21180
Telephone Number	:	66-3891-7111-120
Fax Number	:	66-3891-7121
Email Address	:	marketing@aeroflex.co.th

2. Composition/Information on Ingredients : This product is an expanded, closed cell, sulfur-cured 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 Trihydrate CAS No.21645-51-2
- Carbon Black CAS No.1333-86-4

3. Hazards Identification

Inhalation	:	No significant signs of any adverse health hazard are expected to occur as a result of inhalation exposure.
Eye Contact	:	No significant signs of any adverse health hazards are expected to occur as a result of eye contact.
Ingestion	:	Practically non-toxic
Skin Contact	:	No significant signs of any adverse health hazards are expected to occur as a result of skin contact.



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4. First Aid Measures

Inhalation	:	Not required under normal use. 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 - Fire Fighting Measures.

Extinguishing Media	:	Carbon Dioxide, ABC dry chemical, and Water spray and foam.
Specific Hazards with regard to Fire-Fighting measures	:	Approach from unwinds 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 Steps

if Materials 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



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7. Handling and Storage

Handling condition : No special precaution required
Storage condition : Keep in a dry normal storage.

8. Exposure control/Personal Protection

Engineering Controls : General ventilation
Personal Protection : N/A

9. Physical and Chemical Properties

Appearance : Expanded Rubber Foam.
Specific Gravity ($H_2O=1$) : 0.04-0.09
Service Temperature ($^{\circ}C$) : $-57^{\circ}C$ to $+135^{\circ}C$ ($-70^{\circ}F$ to $+275^{\circ}F$)
150 $^{\circ}C$ Interval Temperature
Thermal Conductivity (W/mK) : 0.038 at Mean temp $24^{\circ}C$ Max
Water Vapor Permeability : 0.15 Perm-inch ($0.22 \times 10^{-12} Kg/Pa s m$) Max
Water Absorption (%by weight) : 3% by weight Max
Compression Set : Excellent
Flammability : Self-extinguishing

10. Stability and Reactivity : Stable

Condition to avoid : N/A
Hazardous Decomposition Product : May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid.
Hazardous Polymerization : Will not occur

11. Toxicological Information

No Data.

12. Ecological Information

No Data.

13. Disposal Considerations

Waste material may be disposed of in an approved landfill or may be incinerated under Conditions which meet federal, State and Local environmental regulation.

14. Transportation Information

No Special precautions required.



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15. Regulatory Information

No Special precautions required.

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.