

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page1

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/Supplier	:	AEROFLEX CO., LTD 111/7, 111/11 Mu 2 Tambol Makhamku, Amphur Nikompattana, Rayong Thailand. 21180
Telephone Number	:	66-3891-7111-120
Fax Number	:	66-3891-7121
Email Address	:	marketing@aeroflex.co.th

2. Hazards Identification

Form & Order

Closed Cell Elastomeric Thermal Insulation

GHS Classification

Classification in Accordance with Regulation (EC) No 1272/2008 (CLP)

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

GHS Precautionary Statements

Response	:	No special precaution required
Storage	:	No special precaution required
Prevention	:	No special precaution required

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page2

Disposal:

P501: Dispose of contents and container to appropriate waste site or recycler in accordance with local and national regulations

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:

No.	Substance Name				Additional Information
	Cas No. / EC No. / REACH Registration No.	Hazardous Classification and category	Pictogram	Hazard statement	Concentration (%W/W)
1	Synthetic rubber (EPDM: Ethylene-Propylene-Terpolymer Rubber)				
	25038-36-2 / 923-949-0 / -	Not classified	N/A	N/A	N/A
2	Aluminum Tri hydrate				
	21645-51-2 / 244-492-7 / -	Not classified	N/A	N/A	N/A
3	Carbon Black				
	1333-86-4/ 215-609-9 / -	Not classified	N/A	N/A	N/A

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.

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page3

Eye contact

Not required under normal use. Flash 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 an appropriate container for reuse or disposal.

Neutralizing Agent:

N/A

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page4

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

Control Parameters:

Occupational exposure limit values:	N/A
DNEL and PNEC values:	N/A
Exposure Control Controls:	General ventilation
Individual Protection:	Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Flexible tube or sheet. Foamed with closed cell structure.
Specific Gravity (H ₂ O=1):	0.040-0.080
Service Temperature (°C):	-57°C to +125°C (-70°F to +257°F)
Thermal Conductivity (W/m.K):	0.040 at Mean temp 24°C max
Water Vapor Permeability:	0.1 Perm-inch (0.15 x 10 ⁻¹² kg/Pa s m) max
Water Absorption (%by Weight):	10 % by weight max
Water Absorption (%by Volume):	0.20 % by volume max
Weather and UV resistance:	Very Good
Heat Stability (104oC x 7 days):	7 % max
Flammability:	Self-extinguishing
Flexibility:	Excellent
Other information:	N/A
Information with regard to physical hazard classes:	N/A

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page5

Other safety characteristics: N/A

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

Information on hazard classes as defined in Regulation (EC) No 1272/2008: Non Hazardous substance

Summaries of the information derived from the test conducted: N/A

Relevant toxicological properties: N/A

Information on likely routes of exposure: N/A

Symptoms related to the physical, chemical and toxicological characteristics: N/A

Delayed and immediate effects as well as chronic effects from short and long-term exposure: N/A

Interactive effects : N/A

Absence of specific data: N/A

Information on other hazards: N/A

12. ECOLOGICAL INFORMATION

Toxicity: This product may not toxic to aquatic life with long lasting effect

Persistence and Degradability: This product may not be released into the environment

Bio accumulative potential: N/A

Mobility in soil: N/A

Results of PBT and vPvB assessment: N/A

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page6

Endocrine disrupting properties: N/A

13. DISPOSAL CONSIDERATION

Waste treatment methods: Incineration or dispose of as hazardous waste in compliance with local

Information regarding the disposal of the product: Dispose of wastes in an approved waste disposal facility

Information regarding the disposal of the packaging: Dispose of wastes in an approved waste disposal facility

Physical/chemical properties that may affect waste

treatment options shall be specified: N/A

Sewage disposal: N/A

Special precautions for any recommended waste treatment: N/A

14. TRANSPORTATION INFORMATION

International Regulations

IATA-DGR : Not regulated as a dangerous good

IMDG-Code : Not regulated as a dangerous good

Domestic regulation : Not regulated as a dangerous good

15. REGULATORY INFORMATION

International regulation : EU Regulation (EC) No.1272/2008 on classification, labeling and packaging of Chemical substances and mixtures

International Inventory Status EINCES: May be commercialized according EC 2020/878 directive.

SAFETY DATA SHEET

AEROFLEX AEROCEL

Page7

Thai regulation : Hazardous substance (Praradbunyut 2535)

6. 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.
