SAFETY DATA SHEET

Date of Issue:
01/01/2020

AEROCEL-ULP

Continuous Tube, Non-Continuous Tube,
Flat Sheet, Sheet Roll

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of Product:	Closed Cell Elastomeric Thermal Insulation
Trade Name:	Aerocel-ULP
Manufacturer/Supplier:	Aeroflex USA, Inc.
	282 Industrial Park Road
	Sweetwater, TN 37874
Telephone:	Toll Free 866-AEROCEL (237-6235)
Fax Number:	(423)351-7368
Email Address:	sales@aeroflexusa.com

2. HAZARD 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Health Hazardous Components

Elastomeric thermal insulation is an expanded, closed cell, cross-linked rubber compound. They contain synthetic polymers, fillers, plasticizers and rubber chemicals. Since all of these material are bound in a polymer matrix, the product does not qualify as a hazardous material as defined by OSHA (29 CFR 1910.1200).

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

4. FIRST AID MEASURES

Inhalation	Not required under normal use. If irritation persists, remove from exposure area
Eye Contact	No required under normal use. Flush with water until all traces of the material are done. 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

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 in an appropriate container for reuse or disposal
Neutralizing Agent	Negligible

7. HANDLING AND STORAGE

Handling Condition	No special precaution required
Storage Condition	Keep in dry normal storage

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls	General ventilation
Personal Protection	Negligible

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Expanded Foam Rubber
Specific Gravity (H_2O=1)	0.04-0.06
Service Temperature	-320°F to 257°F (-196°C to +125°C)
Thermal Conductivity	0.245 BTU.in/ft^2.hr.°F at Mean temp 75°F
Water Absorption	0.2% by volume Max
Water Vapor Permeability	0.01 Perm-inch (1.45 x 10^{-11} g/Pa.m.s) Max
Weather and UV resistance	Minimal cracking
Flammability	Self-extinguishing

10. STABILITY AND REACTIVITY

Stability and Reaction	Stable
Conditions to avoid	Negligible
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 CONSIDERATION

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. TRANSPORT INFORMATION

No Data

15. REGULATORY INFORMATION

No Data

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 be reliable and based on correct state of our knowledge. However no guarantees of any kind can be give as to its accuracy.