

# SAFETY DATA SHEET

Date of Issue:

01/01/2020



## AEROCEL® REF™

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

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Identification of Product:</b>	Closed Cell Elastomeric Thermal Insulation
<b>Trade Name:</b>	Aerocel® REF™
<b>Manufacturer/Supplier:</b>	Aeroflex USA, Inc. 282 Industrial Park Road, Sweetwater, TN 37874
<b>Telephone Number:</b>	Toll Free 866-AEROCEL (237-6235)
<b>Emergency Phone Number:</b>	ChemTel, Inc. 1-800-255-3924 (North America) +1-813-248-0585 (International)

---

### 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

<b>Inhalation</b>	Not required under normal use. If irritation persists, remove from exposure area
<b>Eye Contact</b>	No required under normal use. Flush with water until all traces of the material are done. Seek medical attention if irritation persists
<b>Ingestion</b>	If illness or adverse symptoms develop, obtain medical attention
<b>Skin Contact</b>	Not required under normal use

---

## SAFETY DATA SHEET

Date of Issue:

01/01/2020



### AEROCEL® REF™

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

---

#### 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<sub>2</sub>O=1)** 0.04-0.06

**Service Temperature** -297°F to 257°F (-182°C to +125°C)

**Thermal Conductivity** 0.245 BTU.in/ft<sup>2</sup>.hr.°F at Mean temp 75°F

**Water Absorption** 0.2% by volume Max

**Water Vapor Permeability** 0.03 Perm-inch (4.35 x 10<sup>-11</sup> g/Pa.m.s)

**Weather and UV resistance** Minimal Cracking

**Flammability** Self-extinguishing

---

# SAFETY DATA SHEET

Date of Issue:

01/01/2020



## AEROCEL® REF™

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

---

### 10. STABILITY AND REACTIVITY

<b>Stability and Reaction</b>	Stable
<b>Conditions to avoid</b>	Negligible
<b>Hazardous Decomposition Product</b>	May generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid
<b>Hazardous Polymerization</b>	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.

---