



## EPS MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

Product Name: Modified Expanded Polystyrene  
Chemical Synonyms: Modified EPS  
Chemical Family: Ethenylbenzene Homopolymer  
Chemical Formula: (C<sub>8</sub>H<sub>8</sub>)<sub>n</sub>

Manufacturer: Avilite Corporation  
55 South Commercial Street  
Manchester, NH 03101  
888-720-8001

### 2. Chemical Composition

Chemical Name	CAS No.	Approx. Weight Percentage
Benzene, Ethenyl-, Homopolymer	9003-53-6	>95%
Hexabromocyclododecane (Fire Retardant)	3194-55-6	<1%
Pentane	109-66-0	<2%

### 3. Hazards Identification

**Routes of entry:** Inhalation and ingestion

#### Potential Health Effects:

Acute Eye Contact: Dust particles may cause mechanical irritation.

Acute Skin Contact: Direct contact may cause slight skin irritation.

Acute Inhalation: May cause respiratory discomfort.

Ingestion: Biologically inert.

Chronic effects: No known adverse effects.

### 4. First Aid Measures:

Eyes: Flush eyes with water for at least 15 minutes. Seek medical attention if irritation develops.

Skin: Wash with mild soap and water. If irritation develops seek medical attention.

Inhalation: Move person to fresh air. If breathing is difficult seek medical attention.

Ingestion: Biologically inert. Extremely unlikely route of entry.

### 5. Fire Fighting Measures:

Flash Pt. and Method Used: 675° F (ASTM D-1929)

Special Fire fighting Instructions: Use self-contained breathing apparatus respirator and approved personal protective clothing.

Extinguishing Media: Water fog, carbon dioxide foam and dry chemical.

Auto-Ignition Temperature: 880° F (ASTM D-1929)

Unusual Fire and Explosion Hazards: Combustion emits dense, black smoke. Smoke consists of carbon monoxide, carbon dioxide and styrene.

### 6. Accidental Release Measures:

Spill procedures: Remove material and place in suitable container for disposal

Reportable Quantity: None

Disposal Method: Recycle, incinerate with waste heat recovery, or landfill in accordance with federal, state and local regulations.

#### Flexible Foam Division

99 Blaine St, Manchester, NH 03102  
(603) 625-6223 Fax (603) 644-7157

#### EPS Foam Division

55 So. Commercial St., Manchester, NH 03101  
(603) 641-9814 Fax (603) 626-4342



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### 7. Handling and Storage:

Storage Temperature: 170° F

General Storage: Store in a well ventilated area.

### 8. Exposure Control / Personal Protection:

#### Personal protective equipment:

Respiratory Protection: Use approved dust mask if dust is generated.

Gloves: None required or as needed to prevent irritation.

Eye Protection: Use approved safety glasses or goggles if dust is generated

### 9. Physical and Chemical Properties:

Appearance: Blocks or Sheets

Melting Point: Not Applicable. Begins to soften at 180° F

Odor: Slight hydrocarbon odor.

Volatiles by Volume: <2

Physical state: Solid

Vapor Density (Air=1): Not Applicable

Color: White

Solubility in water: Insoluble

Boiling Point: Not Applicable

Specific gravity: <1

pH: Not Applicable

### 10. Reactivity:

Stability: This material is stable.

Conditions to Avoid: Fire and high temperatures.

Incompatibility: Hydrocarbons, esters, insecticides, organic compounds, amines and aldehydes.

Hazardous polymerization: Will not occur.

Hazardous decomposition: Carbon monoxide, acid gases, water, carbon dioxide, carbon when burned.

### 11. Toxicological Information:

Acute Effects: Acute health effects are not likely if used as intended.

Chronic Effects: Chronic health effects are not likely if used as intended.

### 12. Ecological Information:

Biologically Inert

### 13. Waste Disposal Considerations:

Non hazardous waste. Dispose of material according to local, state, federal regulations.

### 14. Transportation Information:

US DOT: This material is not regulated as a hazardous material by the US Department of Transportation.

### 15. Regulatory Information:

TSCA Status: Listed on the TSCA inventory.

Hazard Ratings: Health: 1 Fire: 2 Reactivity: 0

### 16. Other Information:

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