



Safety Data Sheet Expanded Polystyrene

Safety Data Sheet (SDS) ABT Foam Expanded Polystyrene (EPS)

Date: 4/24/2020

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

<p>Manufacturer ABT Foam 1405 Industrial Drive Statesville, NC 28625</p>	<p>Contact Information Phone: 704-873-9081 Fax: 704-873-9082 Email: Ken.mahaffey@abtfoam.com</p>
<p>Product ABT Foam Expanded Polystyrene (EPS) Foam</p>	<p>CAS Registry No. 9003536</p>
<p>Product Grades ASTM C578 Types I, VIII, II and IX</p>	<p>CAS Name Ethynylbenzene Homopolymer</p>
<p>Chemical Family Polystyrene Thermoplastic</p>	<p>Formula (C₈H₈)_N</p>
<p>TSCA INVENTORY STATUS Listed</p>	
<p>Hazard Rating 0=Minimal Health 0 Fire 2 Reactivity 0 1=Slight 2=Moderate 3=Serious 4=Severe</p>	

2. INGREDIENTS

Hazard Components	CAS Registry No.	Approximate Weight Percentage
Pentane	109660	1%
Halogen Flame Retardants	N/A	0.9%
Non-Hazardous Components	CAS Registry No.	Approximate Weight Percentage
Polystyrene	9003536	98%

3. PHYSICAL DATA

<p>Form Rigid cellular foam blocks, boards & shapes</p>	<p>Boiling Point N/A</p>
<p>Vapor Pressure N/A</p>	<p>Vapor Density N/A</p>

Color White	Boiling Point N/A
Volatiles By Volume <4% (pentane and water)	Vapor Density N/A
Odor Very slight hydrocarbon odor	Melting Point Softens at 175° F to 220° F
Density 0.60 pcf to 3.0 pcf	Evaporation Rate None
	Solubility in Water Insoluble

4. FIRE AND EXPLOSION DATA

Flash Point and Method Used 610° F minimum (ASTM D1929)	Auto Ignition Temperature 850° F. Minimum
Special Fire Fighting Instructions Use approved self-contained breathing apparatus respirator and personal protective clothing.	Unusual Fire and Explosion Hazard May produce dense black smoke. Smoke consists of carbon (soot), carbon monoxide, carbon dioxide and water. Dust generated by fabrication i.e. sanding, sawing, etc., will increase fire hazard and should be handled accordingly.
Extinguishing Media Water fog, carbon dioxide, dry chemical, and foam.	

5. REACTIVITY DATA

Stability (Conditions to Avoid) Stable. Avoid fire and high temperatures.	Hazardous Decomposition Carbon monoxide, carbon dioxide, carbon, water, Hydrogen halide.
Incompatibility (Materials to Avoid) Will dissolve in most organic solvents and some insecticides, aldehydes and amines.	Hazardous Polymerization None

6. HEALTH HAZARDS AND FIRST AID

Principal Health Hazards& Signs and Symptoms of Exposure	First Aid
Eye Contact: Dust or particles may cause mechanical eye irritation and/or injury.	Eyes Rinse with clean water. Remove foreign particles with clean, lint-free cloth. Obtain medical attention if pain, blinking , tears or redness persists.
Inhalation Dust from mechanical fabrication may cause upper respiratory irritation. Fumes from hot wire cutting can also cause upper respiratory Irritation.	Inhalation If overcome by exposure, move to fresh air. Provide oxygen and artificial respiration. Get medical attention.

<p>Skin Contact None May produce slight skin irritation in a few individuals.</p> <p>Ingestions Biologically inert. May act as an obstruction if swallowed.</p> <p>Carcinogenicity None</p>	<p>Skin Not expected to present skin hazard. Wash exposed areas with mild soap and water. Consult physician if irritation persists.</p> <p>Ingestion Not expected to present significant ingestion hazard. Consult physician if swallowed.</p>
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7. EMPLOYEE PROTECTION

<p>Personal Protective Equipment</p> <p>Respiratory Protection Use approved dust mask when sawing or sanding.</p> <p>Skin Protection None required. Wear gloves and/or sleeves, if sensitivity noted.</p> <p>Eye Protection Use approved safety glasses/goggles when sawing or sanding.</p>	<p>Safety Precautions Use positive ventilation. Mechanical fabrication, sanding. Etc., requires the use of safety glasses or goggles and dust mask.</p>
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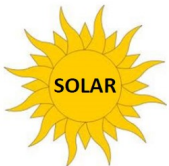
8. SPILL OR LEAK PROCEDURES

<p>Spill, Leak or Release Handling Normal good housekeeping should be observed. Material can be swept or picked and placed in a suitable container for disposal.</p>	<p>Reportable Quantity None.</p> <p>Disposal Method Recycle, incinerate (WTE) or landfill per local and State regulations.</p>
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9. SPECIAL PRECAUTIONS

<p>Storage and Handling Expanded Polystyrene, although it contains a fire retardant additive, is considered to be combustible and adequate protection from sources of ignition should be taken.</p> <p>Transportation Requirements Not a D.O.T. "Hazardous Material."</p> <p>The information contained herein is provided as a general reference. Your ABT Foam EPS Supplier believes the data set forth herein is accurate and is given in good faith. Your ABT Foam EPS supplier makes no guarantee or warranty and does not assume any liability with respect to the accuracy or completeness of such information.</p>

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