

ABT FOAM, LLC
MATERIAL SAFETY DATA SHEET

I– Product information

Product:
ABT Foam Inc. Expanded Polystyrene Foam.

Product Grades:
Type XI, I, VIII, II, IX

Chemical Family:
Polystyrene Thermoplastic

CAS Registry NO:
9003536
CSA Name:
Ethenylbenzene Homopolymer
Formula:
(C8H8)N

TSCA Inventory Status:
Listed.

Hazard Rating:	3=Serious	Health	0
0=Minimal	4=Severe	Fire	2
1=Slight		Reactivity	0
2=Moderate			

II Ingredients

Hazardous Components:	CAS Registry NO:	Approximate Weight Percentage:
Pentane	109660	1%
Halogen Flame Retardants	N/A	.9%
Non Hazardous Components:	CAS Registry NO:	Approximate Weight Percentage:
Polystyrene	9003536	98%

III Physical Data

Form: Rigid Cellular foam blocks, boards, & shapes	Boiling Point: N/A
Vapor Pressure: N/A	Vapor Density: N/A
Color: White	Melting Point: Softens at 175° F to 220° F.
Volatiles By Volume: <4% (pentane and water)	Evaporation Rate: None
Odor: Very slight hydrocarbon odor	Solubility in Water: Insoluble
Density: .06 pcf to 3.0 pcf	

IV Fire and Explosion Data

Flash PT. and Method Used: 610° F. Min. (ASTM D 1929)	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.	

V– Reactivity Data

STABILITY (CONDITIONS TO AVOID):

Stable. Avoid fire and high temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID):

Will dissolve in most organic solvents and some insecticides, aldehydes and amines.

HAZARDOUS DECOMPOSITION:

Carbon monoxide, carbon dioxide, carbon, water, Hydrogen halide.

HAZARDOUS POLYMERIZATION:

None

VI— HEALTH HAZARDS & FIRST AID

PRINCIPAL HEALTH HAZARDS & SIGNS AND SYMPTOMS OF EXPOSURE:**EYE CONTACT:**

Dust or particles may cause mechanical eye irritation and/or injury.

INHALATION:

Dust from mechanical fabrication may cause upper respiratory irritation. Fumes from hot wire cutting can also cause upper respiratory

Irritation.

SKIN CONTACT:

None. May produce slight skin irritation in a few individuals.

INGESTION:

Biologically inert. May act as an obstruction if swallowed

CARCINOGENICITY:

None

FIRST AID:**EYES:**

Rinse with clean water. Remove foreign particles with clean, lint-free cloth. Obtain medical attention if pain, blinking, tears or redness persists.

INHALATION:

If overcome by exposure, move to fresh air. Provide oxygen and artificial respiration. Get medical attention.

SKIN:

Not expected to present skin hazard. Wash exposed areas with mild soap and water. Consult physician if irritation persists.

INGESTION:

Not expected to present significant ingestion hazard. Consult physician if swallowed.

VII— EMPLOYEE PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:**RESPIRATORY PROTECTION:**

Use approved dust mask when sawing or sanding.

SKIN PROTECTION:

None required. Wear gloves and/or sleeves, if sensitivity noted.

EYE PROTECTION:

Use approved safety glasses/goggles when sawing or sanding.

SAFETY PRECAUTIONS:

Use positive ventilation. Mechanical fabrication, sanding, Etc., requires the use of safety glasses/goggles and dust mask

Spill or Leak Procedures

Spill, Leak or release handling:

Normal good housekeeping should be observed. Material can be swept

Or picked up and placed in a suitable container for disposal.

Reportable Quantity:

None.

Disposal Method:

Recycle, incinerate (WTE) or landfill per local and State regulations.

IX Special Precautions

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.

Transportation Requirements:

Not a D.O.T. "Hazardous Material."

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