

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:

0=Minimal

1=Slight

2=Moderate

3=Serious

4=Severe

Health

Fire

Reactivity

0

2

0

II - Ingredients

Hazardous Components:

Pentane

Halogen Flame Retardants

Non Hazardous Components:

Polystyrene

CAS Registry NO:

109660

N/A

CAS Registry NO:

9003536

Approximate Weight Percentage:

1%

.9%

Approximate Weight Percentage:

98%

III - Physical Data

Form:

Rigid Cellular foam blocks, boards, & shapes

Vapor Pressure:

N/A

Color:

White

Volatiles By Volume:

<4% (pentane and water)

Odor:

Very slight hydrocarbon odor

Density:

.06 pcf to 3.0 pcf

Boiling Point:

N/A

Vapor Density:

N/A

Melting Point:

Softens at 175° F to 220° F.

Evaporation Rate:

None

Solubility in Water:

Insoluble

IV - Fire and Explosion Data

Flash PT. and Method Used:

610° F. Min. (ASTM D 1929)

Special Fire Fighting Instructions:Use approved self-contained breathing apparatus respirator
And personal protective clothing.**Extinguishing Media:**

Water fog, carbon dioxide, dry chemical, and foam.

Auto Ignition Temperature:

850° F. Minimum

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.

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.

Ingestions

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

VIII - 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."

The information contained herein is provided as a general reference. Your ABT Foam, LLC EPS Supplier believes the data set forth herein is accurate and is given in good faith. Your ABT FOAM INC. EPS Supplier makes no guarantee or warranty and



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