



SAFETY DATA SHEET

SECTION 1: SUBSTANCE IDENTIFICATION & COMPANY INFORMATION

Material Identification

CAS Number : 9003-53-6
CAS Name : Polystyrene, Modified Expanded Polystyrene
Chemical Family : Ethenylbenzene, homopolymer (C8H8)

Company Identification

FMI-EPS, LLC
9456 N. McGuire Rd.
Post Falls, ID 83854
208-777-8485

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification : None
Label Elements : None
Signal Word : None
Hazard Statement(s) : None
Other Hazards : Low toxicity under normal conditions of handling & use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components

<i>Ingredients</i>	<i>CAS Number</i>	<i>Percent</i>
Benzene, Ethylene, Homopolymer	9003-53-6	95-100
Hexabromocyclododecane (Fire Retardant)	3194-55-6	<1.0
Pentane	109-66-0	<2.0

SECTION 4: FIRST AID MEASURES

- Inhalation: Remove patient from exposure. Move to fresh air.
 - Skin Contact: Wash exposed areas with soap & water.
 - Eye Contact: Remove particles by using eye wash solution or clean water, hold the eyelids apart.
 - Ingestion: Ingestion of small quantities of this material under normal circumstances is not likely to cause harmful effects.
 - Further Treatment: Seek medical attention if any of the irritations persists.
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SECTION 5: FIRE FIGHTING MEASURES

- Auto Ignition Temperature: 850°F
 - Flash Point: 610° F (ASTM D 1929)
 - Extinguishing Media: Water fog, foam, carbon dioxide, dry chemical.
 - Special Firefighting PPE: Self-contained breathing apparatus with full face piece & protective clothing
 - Unusual Fire & Explosion Hazards: Combustion of product may emit dense black smoke. Smoke consists of carbon, carbon monoxide, carbon dioxide & water. Fabrication can lead to the generation of dust & should be handled accordingly.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- In the event of material being released or spilled: sweep, shovel & pickup Expanded Polystyrene & dispose of it in a chemical waste container. Per local & state regulations.
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SECTION 7: HANDLING & STORAGE

- Store in a clean, cool & dry area away from heat sources.
 - Although expanded polystyrene contains a fire-retardant additive, EPS is combustible & adequate protection should be taken to keep it from a source of ignition.
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SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

- Exposure Controls
 - Use proper ventilation & proper PPE when sawing or sanding
 - Personal Protection Equipment
 - Respiratory Protection: Use dust mask when sawing or sanding
 - Skin Protection: Not Required
 - Eye Protection: Use approved safety glasses or goggles with sawing or sanding
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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

- Appearance: Rigid cellular foam blocks, boards & shapes
 - Odor: Slight hydrocarbon odor
 - Physical State: Solid
 - Color: White
 - Boiling Point: N/A
 - pH: N/A
 - Melting Point: N/A (Softening begins at 220° F)
 - Volatiles by Volume: <1% in pentane & water
 - Evaporation Rate: N/A
 - Solubility in Water: Insoluble
 - Specific Gravity: <1%
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SECTION 10: STABILITY & REACTIVITY

- Stability: EPS is stable
 - Conditions to Avoid: Fire & high temperatures
 - Incompatibility: Hydrocarbons, esters, insecticides, amines & aldehydes
 - Hazardous Polymerization: None
 - Hazardous Decomposition: Carbon monoxide, acid gases, water, carbon dioxide, carbon
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SECTION 11: TOXICOLOGICAL INFORMATION

- No special ventilation requirements
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SECTION 12: ECOLOGICAL INFORMATION

- Biologically inert
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SECTION 13: DISPOSAL CONSIDERATIONS

- Dispose of material according to local, state & federal regulations
 - May be recycled & recycling facilities
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SECTION 14: TRANSPORTATION INFORMATION

- Expanded Polystyrene is not regulated by the DOT & is not a Hazardous Material
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SECTION 15: REGULATORY INFORMATION

- Not classified as hazardous to users or for transport. U.S. Federal Regulations
- TSCA Status: Listed
- Hazard Ratings
- Health: 0
- Flammability: 2
- Reactivity: 0

SECTION 16: OTHER INFORMATION

- EPS materials that is sold for construction contains a flame retardant modifies but are still combustible. They must be stored away from open flame, heat sources or any other source of ignition. Do not install near any from open flame, heat sources or any other source of ignition.
- In addition, when EPS insulation is installed in the interior of a structure, it must be protected by a proper thermal barrier & the installer must review applicable local, state, & federal building codes to determine the correct thermal barrier for the application.
- California Proposition 63: This product contains chemical(s) known to the state of California to cause cancer & birth defects or other reproductive harm.

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