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## MATERIAL SAFETY DATA SHEET

### 1-PRODUCT INFORMATION

**PRODUCT:** Modified expanded polystyrene

**SYNONYMS:** Modified EPS

**PRODUCT GRADES:** 1.0, 1.25, 1.5, 2.0, 3.0 pound densities

**CHEMICAL FAMILY:** Polystyrene thermoplastic polymer

**CAS REGISTRY NO:** 9003-53-6

**CAS NAME:** Benzene, Ethenyl, Homopolymer

**FORMULA:** (C<sub>8</sub> H<sub>8</sub>)<sub>x</sub>

**TSCA INVENTORY STATUS:** Listed

**CONTACT:** Houston Foam Plastics  
2019 Brooks St.  
Houston, TX 77026-7297

**CHEMTREC:** (800) 424-9300

### 2-INGREDIENTS

<b>HAZARDOUS COMPONENTS</b>	<b>CAS REGISTRY NO:</b>	<b>APPROX. WEIGHT %:</b>
Pentanes	109-66-0	2.0% Max
Flame retardants as Halogenated organics	N/A	0.9% Max
<b>NONHAZARDOUS COMPONENTS:</b>	<b>CAS REGISTRY NO:</b>	<b>APPROX. WEIGHT%:</b>
Polystyrene	9003-53-6	95.5% Min
Plasticizers	N/A	0.4% Max
External & Internal Lubricants	N/A	0.3 % Max

**houston foam plastics**

phone 713/224-3484  
fax 713/224-3612

2019 Brooks St. Houston, TX 77026-7297  
P.O. Box 1615 Houston, TX 77251-1615

### 3-PHYSICAL DATA

**FORM:** Rigid Board  
**COLOR:** White  
**ODOR:** None  
**BOILING POINT:** N/A  
**MELTING POINT:** softens and expands  
at 200° F to 215° F  
**SPECIFIC GRAVITY:** Apparent density  
1.0-3.0 pof

**VAPOR PRESSURE:** N/A  
**VOLATILES BY VOLUME:** 2.0% Max  
**VAPOR DENSITY (Air = 1):** N/A  
**EVAPORATION RATE:** None  
**SOLUBILITY IN WATER:** Insoluble

### 4-FIRE & EXPLOSION DATA

**FLASH PT. AND METHOD USED:** 675° F (ASTM D-1929)  
**SPECIAL FIRE FIGHTING INSTRUCTIONS:** Use approved self-contained breathing apparatus respirator and approved personal protective clothing.  
**EXTINGUISHING MEDIA:** Water fog, carbon dioxide, foam, and dry chemical  
**AUTOIGNITION TEMPERATURE:** 880° F  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Fire gives off dense black smoke.

### 6-HEALTH HAZARDS & FIRST AID

**EYE CONTACT:** None  
**SKIN CONTACT:** None  
**INGESTION:** Biologically inert. Extremely unlikely route of entry  
**SYSTEMIC & OTHER EFFECTS:** None  
**MEDICAL CONDITIONS AGGRAVATED:** None known  
**SAFETY PRECAUTIONS:** Do not smoke or eat in process area. Avoid spark producing equipment, material handling devices, open flames, and high temperatures. Provide and assure proper electrostatic bonding and grounding of process handling equipment.  
**FIRST AID:**  
**EYES:** Irrigate with water to wash out particles  
**SKIN:** Wash with soap and water to remove particles  
**INGESTION:** Notify medical personnel  
**TOXICITY DATA:**  
**DERMAL:** None  
**CARCINOGENICITY:** None

### 7-EMPLOYEE PROTECTION

**PERSONAL PROTECTIVE EQUIPMENT:**  
**RESPIRATORY PROTECTION:** Dust mask needed when fabricating with saws or grinding equipment.  
**SKIN PROTECTION:** None under normal conditions.  
**EYE PROTECTION:** ANSI-approved safety glasses with side shields, when fabricating with saw or grinding equipment.

**GENERAL CONTROL MEASURES:** Use positive ventilation when fabricating with hot-wire equipment.

**8-ENVIRONMENTAL HAZARDS & PROTECTION**

**ENVIRONMENTAL HAZARDS:** Sewer/waterway obstruction, fish and birds may eat product and obstruct their digestive tract.

**REPORTABLE QUANTITY:** None (not regulated)

**DISPOSAL METHOD:** Recycle, incinerate, or landfill per local and state regulations.

**9-ADDITIONAL INFORMATION**

**TRANSPORTATION REQUIREMENTS:** Not a D.O.T. "Hazardous Material"

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