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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:** (C₈ H₈)_x**TSCA INVENTORY STATUS:** Listed**CONTACT:** Houston Foam Plastics

2019 Brooks St.

Houston, TX 77026-7297

CHEMTREC: (800) 424-9300**2-INGREDIENTS**

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

houston foam plasticsphone 713/224-3484
fax 713/224-36122019 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.

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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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