MATERIAL SAFETY DATA SHEET

1-PRODUCT INFORMATION

PRODUCT: Modified expanded polystryrene

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: Amelia Enterprises Inc, dba Built With Foam

1237 Oxford Street

Unit A

Houston, TX 77008

713-469-2554

2- INGREDIENTS

HAZARDOUS COMPONENTS CAS REGISTRY NUMBER APPROX WEIGHT%

Pentanes 109-66-0 2% Max

Flame Retardants as

Halogenated Organics N/A .09% Max

3-PHYSICAL DATA

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

FORM: Rigid Board VAPOR PRESSURE: N/A

COLOR: White VOLATILES BY VOLUME: 2.0% Max

ODOR: None VAPOR DENSITY (Air = 1): N/A

BOILING POINT: N/A EVAPORATION RATE: None

MELTING POINT: softens and expands SOLUBILITY IN WATER: Insoluble at 200o F to 215o F

SPECIFIC GRAVITY: Apparent density 1.0-3.0 PCF

4-FIRE & EXPLOSION DATA

 FLASH PT. AND METHOD USED: 675O 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: 880o F

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire gives off dense black smoke.

5-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

6-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.

7-ENVIRONMENTAL HAZARDS & PROTECTION

ENVIRONMENTAL HAZARDS: Sewer/waterway obstruction, fish and birds may eat product

and obstruct their digestive tract.

RESPORTABLE QUANTITY: None (not regulated)

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

8-ADDITIONAL INFORMATION

TRANSPORTATION REQUIREMENTS: Not a D.O.T. “Hazardous Material”

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