



EXPANDED POLYSTYRENE/FOAM BOARD SAFETY DATA SHEETS(S.D.S.)

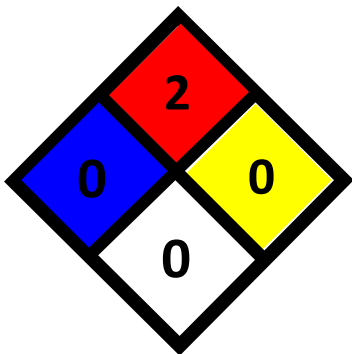
SECTION 1: IDENTIFICATION

PRODUCT NAME: EPS Foam board, foam sheets, foam shapes
DESCRIPTION: Expanded Polystyrene
MANUFACTURER: Imperial Foam 2360 Old Tomoka Rd.; Ormond Beach, Fl. 32174
PRODUCT INFORMATION: Call 386-673-4177 or call toll free 1(800) 842-3869
PREPARATION DATE: June 16, 2016

SECTION 2: HAZARD(S) IDENTIFICATION

PRINCIPAL HEALTH HAZARDS AND SIGNS/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.
INGESTION: Biologically inert. May act as an obstruction if swallowed.
CARCINOGENICITY: None.
SAFETY PRECAUTIONS: Use positive ventilation. Mechanical fabrication, sanding, etc. requires the use of safety glasses and goggles and dust mask.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION

CHEMICAL NAME: Polystyrene
CHEMICAL FAMILY: Polystyrene Thermoplastic Polymer
CAS REGISTRY: 9003-53-6
CAS NAME: Benzene, Ethenyl-Homopolymer
FORMULA: (C₈H₈)_x
TSCA INVENTORY STATUS: LISTED.

INGREDIENTS

| <u>CHEMICAL NAME</u> | <u>COMMON NAME</u> | <u>CAS No.</u> | <u>Wt. %</u> |
|--------------------------------------|--------------------|----------------|--------------|
| HAZARDOUS n-pentane | Pentane | 109-66-0 | < 2% |
| NON-HAZARDOUS Polystyrene Polymer | Polystyrene Foam | 9003-53-6 | > 98 % |

SECTION 4: FIRST-AID MEASURES

GENERAL ADVICE: Use positive ventilation. Mechanical fabrication, sanding, etc. requires the use of safety glasses and goggles and a dust mask.

EYES: Rinse with clean water. Remove foreign particles with clean, lint free cloth. Obtain medical attention if pain, blinking, tears or redness persist.

INHALATION: If overcome by exposure, remove 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 a physician if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE, ACUTE AND DELAYED:

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.

INGESTION: Biologically inert. May act as an obstruction if swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

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| FLASH POINT: | 610° F/ASTM D 1929 |
| AUTOIGNITION TEMPERATURE AND METHOD USED: | 850°F. Min. |
| SPECIAL FIRE FIGHTING INSTRUCTIONS: | Use approved self-contained breathing apparatus respirator and approved personal protective clothing. |
| EXINGUISHING MEDIA: | Water Fog, Carbon Dioxide, Dry Chemical, Foam |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | 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. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| SPILL, LEAK, OR RELEASE PROCEDURES: | Normal good housekeeping should be observed. Material can be swept or picked up and placed into a suitable container for disposal. For recycling, when accessible, bring back scrap material to manufacturer. |
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SECTION 7: HANDLING AND STORAGE

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| 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" |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| PERSONAL PROTECTIVE EQUIPMENT: | |
| RESPIRATORY PROTECTION: | Use approved dust mask when sawing or sanding. |
| SKIN PROTECTION: | None required. Wear gloves and/or sleeves, if sensitivity is noted. |
| EYE PROTECTION: | Use approved safety glasses/goggles when sawing or sanding. |
| GENERAL CONTROL MEASURES: | Use positive ventilation. Mechanical fabrication, sanding, etc. requires the use of safety glasses and goggles and dust mask. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| FORM: | Rigid cellular foam blocks, boards, and shapes | VAPOR PRESSURE: | N/A. |
| COLOR: | White | VOLATILES BY VOLUME: | Less than 4% Pentane and water |
| ODOR: | Very slight hydrocarbon odor | VAPOR DENSITY: (AIR=1): | N/A. |
| BOILING POINT: | N/A | EVAPORATION RATE: | None. |
| MELTING POINT: | Softens at 175° to 220°F | SOLUBILITY IN WATER: | INSOLUBLE |
| SPECIFIC GRAVITY: {WATER=1}: | Density 0.8 PCF to 2.0 PCF | AUTOIGNITION TEMPERATURE: | 850°F. Min. |
| | | FLASH POINT: | 610°F Min. /ASTM D 1929 |

SECTION 10: STABILITY AND REACTIVITY

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| 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. |

SECTION 11: TOXOLOGICAL INFORMATION

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| INGESTION: | Not a likely route of exposure. |
| INHALATION: | Dust from mechanical fabrication may cause upper respiratory irritation. |
| EYE CONTACT: | Dust or particles may cause mechanical eye irritation and/or injury. |
| SKIN CONTACT: | Not a likely route of exposure. |
| CHRONIC TOXICITY AND CARCINOGENICITY: | Is not considered toxic by the IARC, NTP, OSHA. |

SECTION 12: ECOLOGICAL INFORMATION

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| ENVIRONMENTAL HAZARDS: | Sewer/Waterway obstruction; fish may eat beads and obstruct their digestive tract. |
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SECTION 13: DISPOSAL CONSIDERATIONS

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| DISPOSAL METHOD: | Recycle, incinerate (WTE) or landfill per local and state |
| RECYCLE: | For recycling, when accessible, bring back scrap material to manufacturer. |

SECTION 14: TRANSPORTATION INFORMATION

TRANSPORTATION REQUIREMENTS: Not considered to be a D.O.T. "HAZARDOUS MATERIAL".

SECTION 15: REGULATORY INFORMATION

NOT CONSIDERED A HAZARDOUS CHEMICAL BY OSHA.
ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

SECTION 16: OTHER INFORMATION

LAST REVISED JUNE 16, 2016

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