

**MATERIAL SAFETY DATA SHEET****I-PRODUCT INFORMATION**

<b>PRODUCT:</b> INSUL-BOARD INC® INSUL-PANEL®	<b>HAZARD RATING:</b> 2=Moderate HEALTH 0 0=Minimal 3=Serious Fire 2 1=Slight 4=Severe Reactivity 0
<b>SYNONYMS:</b> EPS, Expanded polystyrene	
<b>PRODUCT GRADES:</b> Type I, VIII, II and IX	
<b>CHEMICAL FAMILY:</b> Polystyrene Thermoplastic Polymer	<b>CONTACT:</b> INSUL-BOARD INC.
<b>CAS REGISTRY NO:</b> 9003-53-6	2120 Colonial Avenue
<b>CAS NAME:</b> Benzene, Ethenyl-Hopopolymer	P.O. Box 8103
<b>FORMULA:</b> (C8 H8) x	Erie, PA 16505
<b>TSCA INVENTORY STATUS:</b> Listed	1-800-366-6814

**II-INGREDIENTS**

<b>HAZARDOUS COMPONENTS:</b> Pentane	<b>CAS REGISTRY NO:</b> 109-66-0	<b>APPROX. WEIGHT PERCENTAGE</b> Less Than 2%
<b>NON-HAZARDOUS COMPONENTS:</b> Polystyrene	<b>CAS REGISTRY NO:</b> 9003-53-6	<b>APPROX. WEIGHT PERCENTAGE</b> 98% Min.

**III-PHYSICAL DATA**

<b>FORM:</b> Rigid Cellular Foam Blocks, Boards & Shapes	<b>VAPOR PRESSURE:</b> N/A
<b>COLOR:</b> White	<b>VOLATILES BY VOLUME:</b> Less than 4% Pentane and Water
<b>ODOR:</b> Very Slight Hydrocarbon Odor	<b>VAPOR DENSITY:</b> (AIR): N/A
<b>BOILING POINT:</b> N/A	<b>EVAPORATION RATE:</b> None
<b>MELTING POINT:</b> Softens at 175 to 220	<b>SOLUBILITY IN WATER:</b> Insoluble
<b>SPECIFIC GRAVITY:</b> [Water=1]: Density 0.6PCF to 2.0PCF	

**V-FIRE & EXPLOSION DATA**

<b>FLASHPOINT, AND METHOD USING:</b> 610 F Min.[ASTM D 1929]	<b>AUTOIGNITION TEMPERATURE:</b> 850 F. Min.
<b>SPECIAL FIRE FIGHTING INSTRUCTIONS:</b> Use approved self-contained breathing apparatus respirator and approved Personal Protective Clothing.	<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> 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.
<b>EXTINGUISHING MEDIA:</b> Water Fog, Carbon Dioxide, Foam and Dry Chemical.	

**V-REACTIVITY DATA**

<b>STABILITY [CONDITIONS TO AVOID]:</b> Stable . Avoid Fire and High Temperatures.	<b>HAZARDOUS DECOMPOSITION:</b> Carbon Monoxide Carbon Dioxide, Carbon, Water, Hydrogen Halide
<b>INCOMPATIBILITY [MATERIALS TO AVOID]:</b> Will dissolve in most organic solvents and some insecticides, Aldehydes and Amines.	<b>HAZARDOUS POLYMERIZATION:</b> None

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## VI-HEALTH HAZARDS & FIRST AID

### PRINCIPAL HEALTH HAZARDS & 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.

### FIRST AID

**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 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 or goggles and dust mask.

**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 physician if swallowed.

## VII-EMPLOYEE PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT:

**RESPIRATORY PROTECTION:** Use approved dust mask when sawing or sanding.

**SKIN PROTECTION:** None required. War gloves and / or sleeves, if sensitivity noted.

**EYE PROTECTION:** Use approved safety glasses / goggles when sawing or sanding.

**GENERAL CONTROL MEASURES:** Use positive ventilation. Wear safety glasses / goggles and dust mask if mechanical fabrication is to take place.

## VIII-ENVIRONMENTAL HAZARDS & PROTECTION

**ENVIRONMENTAL HAZARDS:** Sewer / Water Way Obstruction; fish may eat beads and obstruct their digestive tract.

**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.

**REPORTABLE QUANTITY:** None.

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

## IX-SPECIAL PRECAUTIONS

**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"

## ADDITIONAL INFORMATION

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