

# Insulfoam LLC

## Material Data Safety Sheet

### I. PRODUCT INFORMATION *Effective date 6/20/07*

<b>Product :</b> Insulfoam Molded EPS Products, R-TECH	<b>Hazard Rating</b> 0 = Minimal    3 = Serious 1 = Slight     4 = Severe 2 = Moderate	<b>Health</b>	0
<b>Synonyms :</b> Molded Expanded Polystyrene (MEPS)		<b>Fire</b>	2
<b>Product Grades :</b> Type I, VIII, II, IX, XIV and XV (modified)		<b>Reactivity</b>	0
<b>Chemical Family :</b> Polystyrene Thermoplastic			
<b>CAS Registry No. :</b> 9003536	<i>Contact:</i>		
<b>CAS Name :</b> Benzene, Ethenyl, Homopolymer			
<b>Formula :</b> (C <sub>8</sub> H <sub>8</sub> ) n			
<b>TSCA Inventory Status :</b> Listed			
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### II. INGREDIENTS

<b>Hazardous Components:</b>	<b>CAS Registry No.:</b>	<b>Approx. Weight Percentage:</b>
Pentane	109660	<2%
Bromine Flame Retardant Polymeric Film	3194-55-6	<1% 1-3%
<b>Non-Hazardous Components:</b>	<b>CAS Registry No.:</b>	<b>Approx. Weight Percentage:</b>
Polystyrene	9003536	>92%

### III. PHYSICAL DATA

<b>Form :</b> Rigid, cellular foam blocks, boards and shapes	<b>Specific Gravity (Water = 1) :</b> <1
<b>Color :</b> White	<b>Volatile by Volume :</b> <1.8% (Pentane & Water)
<b>Odor :</b> Very slight pentane	<b>Vapor Pressure :</b> N/A
<b>Boiling Point :</b> N/A	<b>Vapor Density (Air = 1) :</b> N/A
<b>Melting Point :</b> N/A (Softening begins @ 160° F)	<b>Evaporation Rate :</b> None
	<b>Solubility in Water :</b> Insoluble
	<b>Density :</b> 0.6 pcf to 3.0 pcf

### IV. FIRE & EXPLOSION DATA

<b>Flash Pt. and Method Used :</b> 610° F min. (ASTM D1929)
<b>Special Fire-Fighting Instructions :</b> Use approved self-contained breathing apparatus respirator and personal protective clothing (turn out gear).
<b>Extinguishing Media :</b> Water fog, carbon dioxide, dry chemical, foam
<b>Autoignition Temperature :</b> 850° F min.
<b>Unusual Fire &amp; Explosion Hazards :</b> If exposed to fire, high heat will develop and may produce dense, black smoke. Dust generated by fabrication (ie. sanding, sawing, etc.) will increase fire hazard and should be handled accordingly.

### V. REACTIVITY DATA

<b>Stability (Conditions to Avoid) :</b> Stable. Avoid fire and high temperatures.
<b>Incompatibility (Materials to Avoid) :</b> Will dissolve in most organic solvents and some insecticides, aldehydes and amines.
<b>Hazardous Decomposition :</b> CO, CO <sub>2</sub> , H <sub>2</sub> O and Hydrogen Bromides
<b>Hazardous Polymerization :</b> None.

**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. May produce slight skin irritation in a few individuals.

**Ingestion :** Biological 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.

**First Aid**

**Eyes :** Rinse with clean water. Remove foreign particles with clean, lint-free cloth. Obtain medical treatment if pain, blinking, tears or redness persists.

**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 physician if swallowed.

**VII. EMPLOYEE PROTECTION**

***Personal Protection Equipment***

**Respiratory Protection :** Use approved dust mask when sawing or sanding.

**Skin Protection :** 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. Wear safety glasses/goggles and dust mask if mechanical fabrication is to take place.

**VIII. SPILL OR LEAK PROCEDURE**

**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 land-fill per local and state regulations.

**IX. SPECIAL PRECAUTIONS**

**Storage and Handling :** Expanded Polystyrene is considered to be combustible, and adequate protection from sources of ignition should be taken.

**Transportation Requirements :** Not a D.O.T. Hazardous Material.

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