

**Insulfoam LLC**  
**Material Safety Data Sheet**



**I. Product Information** (Effective date: May 1, 2009)

<b>Product:</b> Rolled-Foam, R-tech Type I	<b>Hazard Rating</b>	
<b>Synonyms:</b> Moulded Expanded Polystyrene (MEPS)	0= Minimal	
<b>Product Grades:</b> Types I, VII, II, IX, XIV and XV (modified)	1= Slight	
<b>Chemical Family:</b> Polystyrene Thermoplastic	2= Moderate	
<b>CAS Registry No.:</b> 9003536	3= Serious	
<b>CAS Name:</b> Benzene, Ethenyl, Homopolymer	4= Moderate	
<b>Formula:</b> (C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>		Health 0
<b>TSCA Inventory Status:</b> Listed		Fire 2
		Reactivity 0

**II. Ingredients**

<b>Hazardous Components:</b>	<b>CAS Registry</b>	<b>Approx Wt %</b>
Pentane	109660	<2%
Bromine Flame Retardant	3194-55-6	<1%
Polymeric Film		1-3%
<b>Non Hazardous Components:</b>	<b>CAS Registry</b>	<b>Approx Wt %</b>
Polystyrene	9003536	>92%

**III. Physical Data**

<b>Form:</b> Flexible cellular foam boards formed into rolls	<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>Boil Point:</b> N/A	<b>Vapor Density (Air=1):</b> N/A
<b>Melting Point:</b> N/A (softening begins@ 160 degrees 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 Date**

<b>Flash Point and Method Used:</b>	610 degrees F min (ASTM D1929)
<b>Special Fire Fighting Instructions:</b>	Use approved self-contained breathing apparatus respirator & personal protective clothing (Turn out gear)
<b>Extinguishing Media:</b>	Water fog, carbon dioxide, dry chemical foam
<b>Autoignition Temperature:</b>	850 degrees 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 i.e.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 (Material to Avoid):</b>	Will dissolve in most organic solvents, 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