

**Material Safety Data Sheet**  
**Quik-Therm Insulation Solutions Inc.**  
**1-888-735-3012**

**I. PRODUCT INFORMATION**    *Effective date: June 1, 2011*

<p><b>Product :</b> Quik-Therm Multi Purpose Insulation(MPI)  <b>Synonyms :</b> Molded Expanded Polystyrene (MEPS)  <b>Product Grades :</b> Type I, VIII, II, and IX (modified)  <b>Chemical Family :</b> Polystyrene Thermoplastic  <b>CAS Registry No. :</b> 9003536  <b>CAS Name :</b> Benzene, Ethenyl, Homopolymer  <b>Formula :</b> (C<sub>8</sub> H<sub>8</sub>)<sub>n</sub>  <b>TSCA Inventory Status :</b> Listed</p>	<table border="1" style="margin: auto;"> <tr><th colspan="2"><b>Hazard Rating</b></th></tr> <tr><td>0 = Minimal</td><td>3 = Serious</td></tr> <tr><td>1 = Slight</td><td>4 = Severe</td></tr> <tr><td>2 = Moderate</td><td></td></tr> </table>	<b>Hazard Rating</b>		0 = Minimal	3 = Serious	1 = Slight	4 = Severe	2 = Moderate		<p><b>Health</b>    0  <b>Fire</b>        2  <b>Reactivity</b>    0</p>
<b>Hazard Rating</b>										
0 = Minimal	3 = Serious									
1 = Slight	4 = Severe									
2 = Moderate										

**II. INGREDIENTS**

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

<u><b>Principal Health Hazards and Signs &amp; Symptoms of Exposure</b></u>	<u><b>First Aid</b></u>
<p><b>Eye Contact :</b> Dust or particles may cause mechanical eye irritation and/or injury</p> <p><b>Inhalation :</b> Dust from mechanical fabrication may cause upper respiratory irritation. Fumes from hot wire cutting can also cause upper respiratory irritation.</p> <p><b>Skin Contact :</b> None. May produce slight skin irritation in a few individuals.</p> <p><b>Ingestion :</b> Biological inert. May act as an obstruction if swallowed.</p> <p><b>Carcinogenicity :</b> None.</p> <p><b>Safety Precautions:</b> Use positive ventilation. Mechanical fabrication, sanding, etc. requires the use of safety glasses or goggles and dust mask.</p>	<p><b>Eyes :</b> Rinse with clean water. Remove foreign particles with clean, lint-free cloth. Obtain medical treatment if pain, blinking, tears, or redness persists.</p> <p><b>Inhalation :</b> If overcome by exposure, remove to fresh air. Provide oxygen and artificial respiration. Get medical attention.</p> <p><b>Skin :</b> Not expected to present skin hazard. Wash exposed areas with mild soap and water. Consult physician if irritation persists.</p> <p><b>Ingestion :</b> Not expected to present significant ingestion hazard. Consult physician if swallowed.</p>

## **VII. EMPLOYEE PROTECTION**

<b>Personal Protection Equipment</b>
<p><b>Respiratory Protection :</b> Use approved dust mask when sawing or sanding.</p> <p><b>Skin Protection :</b> Wear gloves and/or sleeves, if sensitivity noted.</p> <p><b>Eye Protection :</b> Use approved safety glasses/goggles when sawing or sanding.</p> <p><b>General Control Measures :</b> Use positive ventilation. Wear safety glasses/goggles and dust mask if mechanical fabrication is to take place.</p>

## **VIII. SPILL OR LEAK PROCEDURE**

<p><b>Spill, Leak, or Release Procedures :</b> Normal good housekeeping should be observed. Material can be swept or picked up and placed into a suitable container for disposal.</p>
<p><b>Reportable Quantity :</b> None.</p>
<p><b>Disposal Method :</b> Recycle, incinerate (WTE), or land fill per local and state regulations.</p>

## **IX. SPECIAL PRECAUTIONS**

<p><b>Storage and Handling :</b> Expanded Polystyrene is considered to be combustible, and adequate protection from sources of ignition should be taken.</p>
<p><b>Transportation Requirements :</b> Not a D.O.T. "Hazardous Material".</p>