

**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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MSDS 085

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Emergency Telephone Number CHEMTREC 1-800-424-9300 (This number is available days, nights, weekends & holidays.)

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Material Data Safety Sheet

I. PRODUCT INFORMATION Effective date 6/20/07

<p>Product : Insulfoam Molded EPS Products, R-TECH Synonyms : Molded Expanded Polystyrene (MEPS) Product Grades : Type I, VIII, II, IX, XIV and XV (modified) Chemical Family : Polystyrene Thermoplastic CAS Registry No. : 9003536 CAS Name : Benzene, Ethenyl, Homopolymer Formula : (C₈ H₈) n TSCA Inventory Status : Listed</p>	<table border="1" style="margin: auto;"> <tr> <th colspan="2">Hazard Rating</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>	Hazard Rating		0 = Minimal	3 = Serious	1 = Slight	4 = Severe	2 = Moderate		<p>Health 0 Fire 2 Reactivity 0</p>
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<p><i>Contact:</i> Insulfoam LLC 1019 Pacific Avenue, Suite 1501 Tacoma, Washington 98402-4483 (253) 572-5111 FAX (253) 383-7100</p>										

II. INGREDIENTS

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

III. PHYSICAL DATA

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

<p>Flash Pt. and Method Used : 610° F min. (ASTM D1929) Special Fire-Fighting Instructions : Use approved self-contained breathing apparatus respirator and personal protective clothing (turn out gear). Extinguishing Media : Water fog, carbon dioxide, dry chemical, foam Autoignition Temperature : 850° F min. Unusual Fire & Explosion Hazards : 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.</p>	
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V. REACTIVITY DATA

<p>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 : CO, CO₂, H₂O and Hydrogen Bromides Hazardous Polymerization : None.</p>	
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