

Material Safety Data Sheet
Quik-Therm Insulation Solutions Inc.
1-204-736-3012

I. PRODUCT INFORMATION *Effective date: Feb 1 / 2012*

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| <p>Product : Quik-Therm Connect (Connect) Synonyms : Molded Expanded Polystyrene (MEPS) with 3/4" plywood strips embedded Product Grades : Type I, VIII, II, and IX (modified) Chemical Family : Polystyrene Thermoplastic CAS Registry No. : 9003536 CAS Name : Benzene, Ethenyl, Homopolymer Formula : (C₈ H₈)_n TSCA Inventory Status : Listed</p> | <p>Hazard Rating</p> <table style="margin: auto;"> <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> | 0 = Minimal | 3 = Serious | 1 = Slight | 4 = Severe | 2 = Moderate | | <p>Health 0 Fire 2 Reactivity 0</p> |
| 0 = Minimal | 3 = Serious | | | | | | | |
| 1 = Slight | 4 = Severe | | | | | | | |
| 2 = Moderate | | | | | | | | |

II. INGREDIENTS

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| 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

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| <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

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| 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 i.e. sanding, sawing, etc., will increase fire hazard and should be handled accordingly. |

V. REACTIVITY DATA

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| 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, CO ₂ , H ₂ O and Hydrogen Bromides |
| Hazardous Polymerization : | None. |

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

VII. EMPLOYEE PROTECTION

| Personal Protection Equipment | |
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| Respiratory Protection : | Use approved dust mask when sawing or sanding. |
| Skin Protection : | Wear 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. SPILL OR LEAK PROCEDURE

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| 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

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| 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". |