



## MATERIAL SAFETY DATA SHEET (MSDS)

Product: **Molded EPS – Regular Grade**

Date: **01-01-2013**

### SECTION I Identification and Description

Company	<b>ThermoSafe Brands,</b> a part of Sonoco Protective Solutions	Contact	Customer Service
		Phone	800-323-7442
Address	3930 Ventura Drive, Suite 450 Arlington Heights, Illinois 60004		

### SECTION II Hazardous Ingredients

Ingredient	%	TLV Units	Solvents	%	TLV Units
Polystyrene	>97%				
Pentane	<2%				
Others:	NA				

### SECTION III Physical Data

<b>Boiling Point:</b> <i>liquid only</i>	NA	<b>Specific Gravity</b>	1.016 to 0.032
<b>Vapor Pressure</b>	NA	<b>% Volatile by Volume</b>	NA
<b>Vapor Density</b>	NA	<b>Appearance/Odor</b>	White, rigid plastic foam, possibly slight hydrocarbon odor.
<b>Water Soluble</b>	Insoluble	<b>Evaporation Rate</b>	NA
<b>Melting Point</b>	250°F		

### SECTION IV Fire and Explosion Hazard Data

<b>Flash Point</b>	610°F
<b>Flammable Limits</b>	Lower: 1.5% (pentane) Upper: NA
<b>Special Fire Fighting Procedures</b>	NA
<b>Unusual fire &amp; Explosion Hazards</b>	Fresh product may form flammable pentane-air mixtures under confined and/or high temperature storage conditions. Fire gives off dense black smoke. Electrostatic discharge can be a source of ignition to accumulated pentane vapors exceeding the LEL of 1.5%. Pentane vapors may be emitted from newly opened containers of freshly molded product or when fresh product is heated. Thermal decomposition products may include carbon monoxide, carbon dioxide, and trace amounts of other chemical compounds.

### SECTION V Health Hazard Data

<b>Threshold Limit Value</b>	NA
<b>Effects of Overexposure</b>	NA
<b>Emergency First Aid Procedures</b>	NA

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**SECTION VI**    Reactivity Data

<b>Incompatibility (avoid these materials)</b>	Hydrocarbons, esters, insecticides, amines, aldehydes
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, and particulates (soot)
<b>Conditions to Avoid</b>	Product is stable under normal conditions of temperature and pressure. Avoid ignition sources, fire and high temperatures.

**SECTION VII**    Spill or Leak Procedures

<b>Waste Disposal Method:</b>	Recycle, incinerate, or landfill per local and state regulations.
<b>Steps to be taken if material is spilled or leaked:</b>	No unusual clean up procedures required

**SECTION VIII**    Special Protection Information

<b>Respiratory Protection</b>	Use appropriate dust/fume/mist respirator when sanding.
<b>Protective Gloves</b>	Required
<b>Eye Protection</b>	Use ANSI Z87 approved safety glasses with side shields when sanding.
<b>Ventilation</b>	General plant ventilation should be sufficient to meet published exposure limits and/or prevent the buildup of pentane vapors.
<b>Other</b>	None

**SECTION IX**    Special Precautions

<b>Precautions to be taken in handling and storing:</b>	Make sure transport vehicles are adequately ventilated and away from sources of ignition before off-loading incoming product. Storage areas should be adequately ventilated to avoid build up of pentane vapor. Do not smoke or eat in process areas. Avoid spark-producing equipment or material handling devices, open flames, and high temperatures. If product is to be hot-wire fabricated, work areas should be ventilated to avoid buildup of processing fumes.
<b>Other precautions:</b>	None

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