I. PRODUCT INFORMATION Effective date: June 30, 2017

		Hazard Rating		
Product :	Thermal 3Ht	0 = Minimal $3 = Serious$	Health	0
Synonyms :	Molded Expanded Polystyrene (MEPS)	1 = Slight $4 = $ Severe	Fire	2
Product Grades :	Type I, VIII, II, and IX (modified)	2 = Moderate	Reactivity	0
Chemical Family :	Polystyrene Thermoplastic			
CAS Registry No. :	9003536		0	
CAS Name :	Benzene, Ethenyl, Homopolymer	Thermal Building 102 First Avenue West, C		
Formula :	$(C_8 H_8) n$	(563) 203-80	,	
TSCA Inventory Status :	Listed			

<2%

<1%

1-3%

>92%

Hazardous Components: CAS Registry No.: Approx. Weight Percentage: Pentane 109660 Bromine Flame Retardant 3194-55-6 Polymeric Film Non-Hazardous Components: CAS Registry No.: Approx. Weight Percentage: 9003536 Polystyrene

III. PHYSICAL DATA

II. INGREDIENTS

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

IV. FIRE & EXPLOSION DATA

Flash Pt. and Method Used : Special Fire Fighting Instructions :	610° F min. (ASTM D1929) 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

Stability (Conditions to Avoid) : Incompatibility (Materials to Avoid) :	Stable. Avoid fire and high temperatures. Will dissolve in most organic solvents, and some insecticides, aldehydes, and amines.
FF	CO, CO ₂ , H ₂ O and Hydrogen Bromides None.

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

VII. EMPLOYEE PROTECTION

Personal Protection Equipment

Skin Protection :	Use approved dust mask when sawing or sanding. Wear gloves and/or sleeves, if sensitivity noted. Use approved safety glasses/goggles when sawing or sanding.
General Control Measures :	

VIII. SPILL OR LEAK PROCEDURE

<i>Spill, Leak, or Release Procedures :</i> Normal good housekeeping should be observed. Material can be swept 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
Transportation Requirements :	protection from sources of ignition should be taken. Not a D.O.T. "Hazardous Material".

MSDS 085

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

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