

Royal Foam LLC

Material Data Safety Sheet

I. PRODUCT INFORMATION *Effective date 10/11/09*

Product : RoyalFoam GF Products, Synonyms : Expanded Polystyrene (EPS) Product Grades : EPS12,15,19,22,29,39, 46 (modified) Chemical Family : Polystyrene Thermoplastic CAS Registry No. : 9003536 CAS Name : Benzene, Ethenyl, Homopolymer Formula : (C ₈ H ₈) n TSCA Inventory Status : Listed	Hazard Rating 0 = Minimal 3 = Serious 1 = Slight 4 = Severe 2 = Moderate	Health 0 Fire 2 Reactivity 0
<i>(Contact:)</i>		Royal Foam LLC 1333 Haines St, Jacksonville, FL 32206 Phone:(904) 632-2355 • Fax: (904) 632-2353

II. INGREDIENTS

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

III. PHYSICAL DATA

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

IV. FIRE & EXPLOSION DATA

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

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.

**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 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".

The information contained herein is provided as a general reference only. Royal Foam believes the data set forth herein to be accurate and given in good faith. Royal Foam makes no guarantee or warranty and does not assume any liability with respect to the accuracy or completion of such information or of the product results in any specific instance, and hereby expressly disclaims any implied warranties of merchantability or fitness for a particular purpose, or any other warranties or representations whatsoever, expressed or implied.

MSDS 085

ROYAL FOAM LLC
1333 Haines Street
Jacksonville, FL , 32206
Phone: (904) 632-2355 • Toll Free: (904) 632-2353

Local Contact