



MATERIAL SAFETY DATA SHEET

I - PRODUCT INFORMATION

CONTACT:

ACH Foam Technologies, LLC

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PRODUCT:

R-Control® EPS, Contour Taper Tile®, Perform®, WSG®, Fabri-tech® and EPS Geofoam

SYNONYMS:

Expanded Polystyrene

PRODUCT GRADES:

Type XI, I, VIII, II, IX, WSG, EPS12, EPS15, EPS19, EPS22, and EPS29

CHEMICAL FAMILY:

Polystyrene Thermoplastic

CAS REGISTRY NO:

9003536

CAS NAME:

Ethenylbenzene Homopolymer

FORMULA:(C₈H₈)_N**TSCA INVENTORY STATUS:**

Listed

Hazard Rating:	2=Moderate	HEALTH	0
0=Minimal	3=Serious	FIRE	2
1=Slight	4=Severe	REACTIVITY	0

II - INGREDIENTS

HAZARDOUS COMPONENTS:

Pentane

Halogen Flame Retardants

CAS REGISTRY NO:

109660

N/A

APPROX. WEIGHT PERCENTAGE:

1% Maximum

.9% Maximum

NON-HAZARDOUS COMPONENTS

Polystyrene

CAS REGISTRY NO:

9003536

APPROX. WEIGHT PERCENTAGE:

98% Minimum

III - PHYSICAL DATA

FORM:

Rigid cellular foam blocks, boards & shapes

BOILING POINT:

N/A

VAPOR PRESSURE:

N/A

VAPOR DENSITY:

N/A

COLOR:

White

MELTING POINT:

Softens at 175° F. to 220° F.

VOLATILES BY VOLUME:

<4% (pentane and water)

EVAPORATION RATE:

None

ODOR:

Very slight hydrocarbon odor

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 D 1929)

AUTO IGNITION TEMPERATURE:

850° F. Minimum

SPECIAL FIRE FIGHTING INSTRUCTIONS:

Use approved self-contained breathing apparatus respirator and personal protective clothing. (Turn out gear).

UNUSUAL FIRE AND EXPLOSION HAZARDS:

May produce dense black smoke. Smoke consists of carbon (soot), carbon monoxide, carbon dioxide and water. Dust generated by fabrication, i.e., sanding, sawing, etc., will increase fire hazard and should be handled accordingly.

EXTINGUISHING MEDIA:

Water fog, carbon dioxide, dry chemical, and foam.

V - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID):

Stable. Avoid fire and high temperatures.

HAZARDOUS DECOMPOSITION:

Carbon monoxide, carbon dioxide, carbon, water, hydrogen halide.

INCOMPATIBILITY (MATERIALS TO AVOID):

Will dissolve in most organic solvents and some insecticides, aldehydes and amines.

HAZARDOUS POLYMERIZATION:

None

VI – HEALTH HAZARDS & FIRST AID

PRINCIPAL HEALTH HAZARDS & SIGNS AND SYMPTOMS OF EXPOSURE:	FIRST AID:
<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: Biologically inert. May act as an obstruction if swallowed.</p> <p>CARCINOGENICITY: None</p>	<p>EYES: Rinse with clean water. Remove foreign particles with clean, lint-free cloth. Obtain medical attention if pain, blinking, tears or redness persists.</p> <p>INHALATION: If overcome by exposure, move 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

<p>PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY PROTECTION: Use approved dust mask when sawing or sanding.</p> <p>SKIN PROTECTION: None required. Wear gloves and/or sleeves, if sensitivity noted.</p> <p>EYE PROTECTION: Use approved safety glasses/goggles when sawing or sanding.</p>	<p>SAFETY PRECAUTIONS: Use positive ventilation. Mechanical fabrication, sanding, etc., requires the use of safety glasses/goggles and dust mask.</p>
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VIII – SPILL OR LEAK PROCEDURES

<p>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.</p>	<p>REPORTABLE QUANTITY: None</p> <p>DISPOSAL METHOD: Recycle, incinerate (WTE) or landfill per local and state regulations.</p>
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IX – SPECIAL PRECAUTIONS

<p>STORAGE AND HANDLING: Expanded Polystyrene, although it contains a fire retardant additive, is considered to be combustible and adequate protection from sources of ignition should be taken.</p>	<p>TRANSPORTATION REQUIREMENTS: Not a D.O.T. "Hazardous Material."</p>
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