

MATERIAL SAFETY DATA SHEET

EPS Insulation Board



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MSDS Number 015

Version: 3
Date Issued: 09/22/2010
Replaces: 05/01/1999

Section 01 - Product Information

Identification of the company:

Dryvit Systems, Inc.

World Headquarters
1 Energy Way
West Warwick, RI 02893 USA
Telephone: +1 401 822 4100
Contact: EH&S Manager – ehs@dryvit.com

CHEMTREC:

Domestic North America
International Call

800-424-9300
+1 703-527-3887 (collect calls accepted)

Trade name:

EPS Insulation Board

Chemical family:

Ethenylbenzene Homopolymer

Section 02 - Composition information on ingredients

Ingredient	CAS#	Percent (max)
Benzene, Ethenyl-, Homopolymer	9003-53-6	>98%
Hexabromocyclododecane (Fire Retardant)	3194-55-6	<1%
Pentane	109-66-0	<1%

Section 03 - Hazards identification

Primary route(s) of entry into body: Inhalation and ingestion

Acute effects:

Eyes: Dust particles may cause mechanical irritation.

Skin: Direct contact may cause slight skin irritation.

Inhalation: May cause respiratory discomfort similar to inhalation of too much "inert" dust.

Ingestion: Biologically inert.

Chronic effects in humans: No known adverse effects.

Section 04 - First aid measures

Eye contact: Hold eyelids open and flush immediately with gentle stream of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact: Wash exposed areas with mild soap and water.

Inhalation: Move person to fresh air. If breathing is difficult seek medical attention.

Ingestion: Not likely to cause serious injury if ingested.

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Section 05 - Fire and explosion hazard data

Flash Pt. and Method Used: 6750 F (ASTM D-1929 per bead manufacturers)

Special Fire fighting Instructions: Use self-contained breathing apparatus respirator and approved personal protective clothing.

Extinguishing Media: Water fog, carbon dioxide, foam and dry chemical.

Auto-Ignition Temperature: 8800 F (ASTM D-1929 per bead manufacturers)

Unusual Fire and Explosion Hazards: Combustion causes dense, black smoke. Smoke consists of carbon monoxide, carbon dioxide and styrene. Other undetermined hydrocarbon fractions could be released in small quantities.

Section 06 - Accidental release measures

Spill or leak procedures: Pickup or if material is in small pieces, sweep up and place in suitable container for disposal

Reportable Quantity: None

Disposal Method: Recycle, incinerate with waste heat recovery, or landfill in accordance with federal, state and local regulations.

Section 07 - Handling and storage

Storage: Although expanded polystyrene contains a fire retardant additive, it is considered combustible and adequate protection from sources of ignition should be taken.

Section 08 - Exposure controls / personal protection

Personal protective equipment:

Respiratory Protection: Use approved dust mask when sawing or sanding

Gloves: none required

Eye Protection: Use approved safety glasses/goggles when sawing or sanding.

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Section 09 - Physical and chemical properties

Appearance:	Rigid blocks or boards
Melting Point:	Not Applicable (softening begins at 1600 F)
Odor:	Slight hydrocarbon odor.
Volatiles by Volume:	<2
Physical state:	Solid
Vapor Density (Air=1):	Not Applicable
Color:	White
Evaporation Rate:	None
Boiling Point:	Not Applicable
Solubility in water:	Insoluble
pH:	Not Applicable
Specific gravity:	<1

Section 10 - Stability and reactivity

Stability: The product is stable.

Conditions to Avoid: Fire and high temperatures.

Incompatibility: Hydrocarbons, esters, insecticides, amines and aldehydes.

Hazardous polymerization: None.

Hazardous decomposition: Carbon monoxide, acid gases, water, carbon dioxide, carbon.

Section 11 - Toxicological information

Ventilation: No special ventilation requirements

Personal protective equipment:

Respiratory Protection: Use approved dust mask when sawing or sanding

Gloves: none required

Eye Protection: Use approved safety glasses/goggles when sawing or sanding.

Section 12 - Ecological information

Biologically Inert

Section 13 - Disposal considerations

Non hazardous waste. Dispose of material according to local, state, federal regulations.

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Section 14 - Transport information

Not a "Hazardous Material"

Section 15 - Regulatory information

TSCA Status:	Listed		
Hazard Ratings:	Health: 0	Fire: 2	Reactivity: 0

Section 16 - Other information

Expanded Polystyrene materials sold for construction use have a fire retardant modifier but are considered combustible, as are all organic materials. They must not be stored or installed near open flame or any other source of ignition. In addition, when EPS insulation is installed in the interior of a structure it must be protected by a proper thermal barrier, and the installer must review applicable local, state and federal building codes to determine the correct thermal barrier for the particular application

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. (R) and TM indicate trademarks of Dryvit Systems, Inc., its business partners or suppliers.