



Material Safety Data Sheet

NON HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

Product Name: Enviroclad Foam Expanded Polystyrene Modified Grade
Manufacturer: Enviroclad Pty Ltd.
Head Office: Jury Road Berri, SA
08 8582 1155 (8am-5pm)
Chemical Name/Synonyms: Modified EPS, Modified Foam Polystyrene
Chemical Family: Ethenylbenzene Homopolymer
Chemical Formula: (C₈H₈)_n

Ingredient	CAS No.	Approx. Weight Percentage
Benzene, Ethenyl-, Homopolymer	9003-53-6	>98%
Hexabromocyclododecane (Fire Retardant)	3194-55-6	<1%
Pentane	109-66-0	<1%

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.

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.

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.

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.

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

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.

Appearance: Rigid blocks or boards

Odor: Slight hydrocarbon odor.

Physical state: Solid

Color: White

Melting Point: Not Applicable (softening begins at 1600 F)

Volatiles by Volume: <2

Vapor Density (Air=1): Not Applicable

Evaporation Rate: None

Boiling Point: Not Applicable
pH: Not Applicable

Solubility in water: Insoluble
Specific gravity: <1

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.

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.

Biologically Inert

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

Not a "Hazardous Material"

Hazard Ratings: Health: 0 Fire: 2 Reactivity: 0

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

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