

INSULFOAM® EPS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Insulfoam®

Product Code(s): RM_;

Product Use: Insulfoam® Products are manufactured in several sizes, shapes and thicknesses.

Manufacturer: Prestige Wall Systems Pty Ltd

ABN: 97 157 346 486

Street Address: 24 Humphries Terrace, Kilkenny SA 5009, Australia

Emergency Phone: 08 8246 0105

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2. HAZARDS IDENTIFICATION

Emergency Overview: Not classified as hazardous, according to the criteria of Safe Work Australia.

3. PRODUCT DESCRIPTION

EPS, Underfloor Insulation, and other Expanded Polystyrene Products come in the form of polystyrene beads, blocks, sheets, moulded pods, other specially moulded shapes, wire cut shapes, foil-covered products and fine and coarse granulated material. All of these Products contain a fire retardant additive.

Synonyms	ADG Code Classification	
	UN Number:	None allocated
Expanded Polystyrene (EPS)	Proper Shipping Name:	None allocated
Expanded Polystyrene Foam	Dangerous Goods Class:	None allocated
Extruded Polystyrene Foam	Subsidiary Risk:	None allocated
Rigid Cellular Polystyrene	Packaging Group:	None allocated
Polystyrene Foam Insulation	Hazchem Code:	None allocated
Polystyrene Insulation Board	Poisons Schedule No. :	None allocated

Uses:

Thermal insulation, impact protection and void filler in building and construction and as a packaging material.

4. OZONE DEPLETING SUBSTANCES

Insulfoam Expanded Polystyrene Products are free of any Ozone Depleting Substances in both manufacture and composition.

5. PHYSICAL DESCRIPTION/PROPERTIES

Appearance:

Light weight rigid cellular plastic in sheet, cut and moulded shapes, slab or block, white or coloured. May also be supplied as loose beads (i.e. bean bag beads) or granulated pieces.

Boiling Point:	Not applicable	Flash Point:	Not applicable
Melting Point:	Not applicable	Flammability Limits:	Not applicable
Vapour Pressure:	Not applicable	Solubility in Water:	Insoluble
Specific Gravity:	<1 (floats on water)	Form Supplied (20deg C):	White solid, various colours.
Percent Volatiles:	See "Ingredients" section	Maximum Service Temperature:	80 deg.C

6. OTHER PROPERTIES

Solubility in Organic Solvents:

Polystyrene is soluble in hydrocarbons (eg. petrol and mineral turpentine) and esters and ketones (eg. acrylic lacquer thinners); insoluble in alcohol (eg. methylated spirits).

INGREDIENTS

Chemical Name CAS No. Proportion, % wt.

Polystyrene 9003-53-6 >95

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Polystyrene	9003-53-6	>95

Notes

(a) The major component is polystyrene. Foil-covered expanded polystyrene products will contain lower proportions of polystyrene.

(b) When freshly made, or for a short period afterwards, product may contain trace amounts (<2% wt.) of the highly volatile blowing agent pentane (CAS No. 109-66-0), which dissipates rapidly in air. The product may also contain up to 1% wt. a non volatile halogenated hydrocarbon flame retardant additive dispersed throughout the polymer matrix.

7. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute-Swallowed:	No significant effects expected.
Acute-Eye:	No significant effects expected. Dust from sanding or cutting may be a physical eye irritant. Hot wire cutting may generate fumes which are irritating to the eyes.
Acute-Skin:	No significant effects expected.
Acute-Inhalation:	Dust from sanding or cutting of mouldings may cause mild irritation to the upper respiratory tract. Hot wire cutting may generate fumes which are irritating to the nose.
Chronic:	None known.

FIRST AID

Swallowed:	Not likely.
Eye:	If dust in eyes, flush immediately with water for at least 15 minutes. Retract eyelids often. If discomfort persists seek medical advice.
Skin:	Not required.
Inhaled:	If inhaled dust/vapour causes discomfort, remove to fresh air. If discomfort persists, seek medical advice.
First Aid Facilities:	No special facilities required.
ADVICE TO DOCTOR	Treat symptomatically

8. PRECAUTIONS FOR USE

EXPOSURE STANDARDS	Exposures to airborne dust and pentane are unlikely to exceed National Occupational Health and Safety Commission (Worksafe Australia) exposure standards when using this product.
ENGINEERING CONTROLS	Special ventilation is not normally required when handling the product.
PERSONAL PROTECTION	Special protection is not normally required. If further processing involves sanding or sawing, safety glasses with side-shields and a dust mask.

FLAMMABILITY

INSULFOAM Expanded Polystyrene Products are combustible in the presence of a strong heat source or flame (see "Storage and Transport" section). Normal practices of fire safety and housekeeping should be observed, including:

- Prohibit open flames or potential flame sources in product storage areas.
- Protect product from hot work, such as welding, by a suitable protective fire barrier. During such work have a suitable fire extinguisher handy.
- Store product at job site in minimum quantity needed and protect from sources of flame or sparks, such as welders or grinders.
- Dispose of waste product promptly as good housekeeping practice.

9. SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT	Expanded Polystyrene Products are not classified as Dangerous Goods for transport, storage or handling. Combustible solid. Store in open or well ventilated areas (see "Engineering Controls"). Store away from sources of strong heat or flame. Keep away from strong oxidising agents. Smoking should be prohibited during unloading of the product and in storage areas as good safety practice..
SPILLS AND DISPOSAL	Non hazardous waste. Polystyrene is stable when buried in soil but is slowly degraded by sunlight. If feasible recycle. Can be used as a soil conditioner. Dispose of waste in an approved landfill.
FIRE/EXPLOSION HAZARDS	Combustible solid.
EXTINGUISHING MEDIA:	Water, foam, carbon dioxide and dry chemical.
SPECIAL FIREFIGHTING PROCEDURES:	The product contains a combustible thermoplastic which will melt and drip when ignited and give off combustion products which are toxic (see "Hazardous Decomposition Products" section). Firefighters and others who may be exposed to products of combustion should wear selfcontained breathing apparatus. Equipment should be thoroughly decontaminated after use.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide and carbon dioxide are the major products of incomplete combustion. The toxic potency of combustion products is similar to wood. (CSIRO Technical Report TR94/1).

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INSULFOAM products are sold on standard terms and conditions a copy of which is available on request.