

SAFETY DATA SHEET

Polyfoam

1. IDENTIFICATION Extruded Polystyrene Foam (XPS) for insulation	2. COMPOSITION Polystyrene with colouring, HFC gaseous blowing agent and 1% wt/wt Hexabromocyclodecane flame retardant added during manufacture CAS No. Blowing agent 811-97-2 and 75-37-6 CAS No. Flame Retardant 3194-55-6
3. HAZARD IDENTIFICATION Non hazardous in finishing form. Residual quantities of process chemicals, styrene and blowing agents are insignificant. The product is organic and therefore combustible if exposed to intense heat or a fire. Polystyrene melts at high temperature and molten droplets may cause skin burns.	4. FIRST AID MEASURES EYES: If dust particles enter the eye, wash with water. If any irritation symptoms persist seek medical advice Skin: After use, wash with soap and water. If in contact with molten material treat affected area immediately with cold water and seek medical attention. Do not attempt to remove any molten or solidified material from the skin. Inhalation: Dust particles from cutting are unlikely to be of inhalable dimensions unless power tools are used. If problems are experienced, remove to fresh air and drink water.
5. FIRE FIGHTING MEASURES Extinguishing Media: water, foam, carbon dioxide or dry chemical powder. Products of Combustion: those normally associated with combustion of organic hydrocarbons and should be considered toxic. Will include carbon monoxide, carbon dioxide and hydrogen bromide. Dense smoke will be generated and suitable breathing apparatus should be worn when fighting fires.	6. ACCIDENTAL RELEASE MEASURES The product is in solid form and poses no hazard. See 13 for disposal considerations.
7. HANDLING AND STORAGE Do not store near to any sources of heat. When installing products beware of strong winds, especially when working at heights. Avoid dust generation during secondary processing. Hand cutting tools should be used when possible. If power tools are used, suitable dust extraction should be used and/or respiratory and eye protection.	8. EXPOSURE CONTROLS - PERSONAL PROTECTION Respiratory protection: No MEL applicable but if dust is generated it is recommended that a disposable face mask complying with BSEN 149 type FFP1 or FFP2 is used to improve comfort. Hand and skin protection: No special precautions but gloves may be worn for comfort. Eye protection: When cutting or processing with power tools, or working with product above head height, eye protection complying with BS EN 166 is advised.
9. PHYSICAL & CHEMICAL PROPERTIES Appearance – rigid closed cell plastic foam usually pink in colour, but may be made in other colours Melting Point – above 110°C Flash point – above 300°C Odour – odourless Solubility – insoluble in water and generally chemically inert. Soluble in organic solvents.	10. STABILITY AND REACTIVITY Stable under normal conditions of use. Resistant to many chemicals but not to solvents. Care should be taken in the choice of adhesives to be used with Polyfoam. Avoid exposure to heat and flames, and prolonged exposure to sunlight. Decomposition products – fumes from molten material and smoke from fires involving the product can contain toxic gases such as carbon monoxide, carbon dioxide and hydrogen bromide.
11. TOXICOLOGICAL INFORMATION Extruded polystyrene is non-toxic and not irritating to the skin or eyes.	12. ECOLOGICAL INFORMATION Product is not biodegradable and has no known adverse environmental effects. It is free of HCFC blowing agents and complies with EU Regulation EC/3093/94 on substances, which deplete the ozone layer.
13. DISPOSAL CONSIDERATIONS Recover or recycle whenever possible. Waste material is not classified as hazardous Waste and may be disposed of in normal landfill or by incineration under controlled and approved conditions.	14. TRANSPORT INFORMATION Not classified as hazardous for transportation
15. REGULATORY INFORMATION No specific regulations apply. At all times, observe general health and safety guidance. A MEL of 10mg/m ³ 8 hour TWA applies to all inhalable dusts.	16. OTHER INFORMATION If using adhesives with this product follow the adhesive manufacturer's instructions carefully. This Safety Data Sheet has been drafted in accordance with EU Directive 91/155/EC as amended by 2001/58/EC.