

## 1. PRODUCT IDENTIFICATION

Trade Name	STYLITE
Manufacturer	Styrene Packaging & Insulation Ltd Morley Carr Road Low Moor Bradford West Yorkshire BD12 0RA
General	Expanded & moulded polymer of STYRENE (a.k.a. PHENYLETHANE). May contain small residual amount of PENTANE (<1% w/w), used in the production process, this evaporates away within a few days of manufacture.
Alias	Expanded Polystyrene, EPS,

## 2. COMPOSITION

POLYSTYRENE                      CAS# 9003-53-6

## 3. PHYSICAL DATA

Physical State:	Closed cell rigid foam sheets
Appearance:	White Solid
Odour:	May have Aromatic odour of residual Pentane otherwise NONE
Boiling Point:	N/A
Melting Point:	240°C
Vapour Pressure @ 20 Deg.C:	N/A
Vapour Density:	N/A
Percentage Volatiles:	<1%
Solubility in Water:	Nil
Specific Gravity:	<1
Density:	Typically 13gl <sup>-1</sup>
Evaporation Rate:	N/A
pH:	N/A

## 4. FIRE AND EXPLOSION HAZARD DATA

Auto Ignition Temperature:	430°C. Attributed to the Polymer Component.
Extinguishing Media:	Water Spray, Carbon Dioxide, Dry Chemical, Foam. Use Water Spray to keep adjacent material cool.
Special Fire Fighting Procedures:	Standard Procedure for Class A Fires, (Use self-contained breathing apparatus)
Unusual Fire & Explosion Hazards:	Above 250°C. thermal decomposition gives flammable irritant
Hazardous products of Combustion:	Styrene Monomer, Carbon Monoxide, Carbon Dioxide, Dense Smoke, may also produce Benzene and other hydrocarbons.

## 5. HEALTH HAZARD DATA

This product is NOT classified as hazardous to health in EU Countries.

Threshold Limit: Not established

Emergency & First Aid Procedures: This material can be considered as non irritant to skin and eyes and practically non harmful by ingestion. Products formed by thermal decomposition can be irritant to skin and mucous membranes. Dust and particles released from machining may cause mechanical irritation of eyes.

## 6. REACTIVITY DATA

Stability Conditions to Avoid: None

Incompatibility (Materials to Avoid): Avoid contact with concentrated acids.

Hazardous Polymerisation: Will not occur.

## 7. SPILL OR LEAK PROCEDURES

STEPS to be taken if material is released or spilled:

If material is NOT contaminated, it can be wiped and used.

Waste Disposal Method:

Disposal must be done in accordance with relevant regulation. Sanitary landfill is recommended.

## 8. SPECIAL PROTECTION INFORMATION

Appropriate Hygienic Practices:

Avoid breathing fibres or dust.  
Wash thoroughly after handling and before eating, drinking or smoking.  
Remove contaminated clothing and clean before reuse.

Personal Protective Equipment:

When processing (e.g. Cutting, grinding), wear appropriate dust mask, impervious gloves, Safety Glasses and appropriate protective clothing.

Engineering Controls:

Adequate ventilation should be provided during processing.

## 9. LABELLING (CPL REGULATIONS 1984)

Not classified as dangerous for transport purposes.

## 10. STORAGE

Store in a dry place. Avoid direct sunlight.

**The information contained herein is furnished without warranty of any kind. Product users should make independent judgements of suitability of this information to ensure proper use and protect the Health & Safety of employees. Before using any product, the label should be carefully read and current literature and information relating to the product consulted.**