

# SAFETY DATA SHEET

## POLYESTER RESIN 1LTR

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**PRODUCT NAME:** POLYESTER RESIN 1LTR  
**PART No.:** POR010  
**SUPPLIER:** TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
Tel: 0161 764 5981  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
STYRENE			30-60 %
100-42-5	202-851-5	Xn R-10, 20, 36/38	

The Full Text for all R-Phrases are Displayed in Section 16

### 3. HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation. Irritating to eyes and skin.

### 4. FIRST AID MEASURES

**GENERAL:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INHALATION:** Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION:** DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

**SKIN:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**EYES:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

## 7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:**

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

**STORAGE PRECAUTIONS:**

Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

**STORAGE CRITERIA:**

Flammable liquid storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**INGREDIENT NAME:**  
STYRENE

**CAS No.:**  
100-42-5

**STD**  
MEL

**LT EXP 8 Hrs**  
100 ppm

**ST EXP 15 Min**  
250 ppm

**INGREDIENT COMMENTS:**

OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:****VENTILATION:**

Provide adequate general and local exhaust ventilation.

**RESPIRATORS:**

Respiratory protection must be used if air concentration exceeds acceptable level.

**PROTECTIVE GLOVES:**

Use protective gloves.

**EYE PROTECTION:**

Use approved safety goggles or face shield.

**OTHER PROTECTION:**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENIC WORK PRACTICES:**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Viscous. Liquid.

**DENSITY/SPECIFIC GRAVITY (g/ml):** 1.11 - 1.13

**Temperature (°C):** 20

**VISCOSITY (interval):** 7 - 11 cps

**Temperature (°C):** 20

**FLASH POINT (°C):** 35

**Method:**

**10. STABILITY AND REACTIVITY**

**STABILITY:** Normally stable.

**CONDITIONS TO AVOID:** Avoid heat. Avoid contact with oxidisers or reducing agents.

**HAZARDOUS DECOMP. PRODUCTS:** Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION**

**HEALTH WARNINGS:** INHALATION. May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches.  
SKIN CONTACT. Irritating to skin. Product has a defatting effect on skin.  
EYE CONTACT. Irritating to eyes.  
INGESTION. May cause discomfort.

**ROUTE OF ENTRY:** Inhalation.  
Skin absorption.

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Dangerous for the environment if discharged into watercourses.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:** Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

### LABEL FOR CONVEYANCE:



UN No. ROAD:	1866
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
PROPER SHIPPING NAME I:	RESIN SOLUTION, flammable
IMDG CLASS:	3
IMDG PACK GR.:	III
ICAO CLASS:	3
AIR PACK GR.:	III

## 15. REGULATORY INFORMATION

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	R-10 Flammable. R-20 Harmful by inhalation. R-36/38 Irritating to eyes and skin.
<b>SAFETY PHRASES:</b>	S-13 Keep away from food, drink and animal feeding stuffs. S-2 Keep out of the reach of children. S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-46 If swallowed, seek medical advice immediately and show this container or label. S-51 Use only in well-ventilated areas. S-56 Dispose of this material and its container to hazardous or special waste collection point.
<b>UK REGULATORY REFERENCES:</b>	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid

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	Regulations 1972.
<b>ENVIRONMENTAL LISTING:</b>	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.
<b>EU DIRECTIVES:</b>	System of specific information relating to Dangerous Preparations. 91\155.
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

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## 16. OTHER INFORMATION

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<b>INFORMATION SOURCES:</b>	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
<b>ISSUED BY:</b>	PJC
<b>REVISION DATE:</b>	2001-11-28
<b>REV. No./REPL. SDS GENERATED:</b>	1
<b>SDS No.:</b>	200129
<b>R-PHRASES (Full Text):</b>	R-10 Flammable. R-20 Harmful by inhalation. R-36/38 Irritating to eyes and skin.
<b>DISCLAIMER:</b>	<p>The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.</p>