



## SAFETY DATA SHEET POLYESTER RESIN

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

PRODUCT NAME POLYESTER RESIN  
PRODUCT NO. POR001, POR002, POR005  
INTERNAL ID C  
APPLICATION Polyester resin  
SUPPLIER TETROSYL LIMITED  
BEVIS GREEN WORKS  
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### 2 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xn;R20. Xi;R36/38. R10.

#### HUMAN HEALTH

See section 11 for additional information on health hazards.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
STYRENE	202-851-5	100-42-5	30-60%	R10 Xn;R20 Xi;R36/38

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

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Remove affected person from source of contamination. Get medical attention immediately!

#### INHALATION

Move injured person into fresh air immediately. Call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place.

#### INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and take these instructions.

#### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

**POLYESTER RESIN****SPECIAL FIRE FIGHTING PROCEDURES**

Beware, risk of formation of toxic and corrosive gases.

**SPECIFIC HAZARDS**

In case of fire, toxic and corrosive gases may be formed.

**PROTECTIVE MEASURES IN FIRE**

Leave danger zone immediately.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

**ENVIRONMENTAL PRECAUTIONS**

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

**SPILL CLEAN UP METHODS**

For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Absorb spillage with non-combustible, absorbent material. Ventilate well. Prevent discharge of larger quantity to drain.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
STYRENE	WEL	100 ppm	430 mg/m <sup>3</sup>	250 ppm	1080 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

**RESPIRATORY EQUIPMENT**

Wear suitable respiratory protection. Check that mask fits tight and change filter regularly.

**HAND PROTECTION**

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Protection against this substance requires special consideration.

**EYE PROTECTION**

Wear tight-fitting goggles or face shield.

**OTHER PROTECTION**

Provide eyewash station. AVOID ALL SKIN AND RESPIRATORY CONTACT!

**HYGIENE MEASURES**

Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

**SKIN PROTECTION**

Protection suit must be worn.

**POLYESTER RESIN****9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous liquid		
COLOUR	Amber Green		
ODOUR	Strong. Aromatic.		
BOILING POINT (°C)	145	FLASH POINT (°C)	32 TCC (Tag closed cup).

**10 STABILITY AND REACTIVITY**

## STABILITY

No particular stability concerns.

**11 TOXICOLOGICAL INFORMATION**

## HEALTH WARNINGS

This chemical can be hazardous when inhaled and/or touched. This chemical may cause skin/eye irritation and burns (corrosive). May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

## ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

**12 ECOLOGICAL INFORMATION**

LC 50, 96 Hrs, FISH mg/l                      10-100

**13 DISPOSAL CONSIDERATIONS**

## GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Only experts should be permitted to carry out disposal of this material.

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb spillage with non-combustible, absorbent material.

**14 TRANSPORT INFORMATION**

## GENERAL

Full protective clothing should be worn when handling this product.



UK ROAD CLASS	3		
PROPER SHIPPING NAME	RESIN SOLUTION		
UN NO. ROAD	1866	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1866
IMDG CLASS	3	IMDG PACK GR.	III
EMS	F-E, S-E	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1866
AIR CLASS	3	AIR PACK GR.	III

**15 REGULATORY INFORMATION**

## LABELLING

**POLYESTER RESIN**

Harmful

## CONTAINS

STYRENE

## RISK PHRASES

R10 Flammable.  
 R20 Harmful by inhalation.  
 R36/38 Irritating to eyes and skin.

## SAFETY PHRASES

S2 Keep out of the reach of children  
 S13 Keep away from food, drink and animal feeding stuffs.  
 S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37 Wear suitable gloves.  
 S46 If swallowed, seek medical advice immediately and show this container or label.  
 S51 Use only in well-ventilated areas.  
 S56 Dispose of this material and its container to hazardous or special waste collection point.  
 S64 If swallowed, rinse mouth with water (only if the person is conscious).

## EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**16 OTHER INFORMATION**

## REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision. Please see Application information in section 1 for important changes

## ISSUED BY

HS&amp;E Manager.

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SIGNATURE ms

## RISK PHRASES IN FULL

R10 Flammable.  
 R20 Harmful by inhalation.  
 R36/38 Irritating to eyes and skin.

## DISCLAIMER

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.