

# ROOFING RESIN

## DATA SHEET

### PRODUCT INFORMATION SHEET

1. EMERGENCY TELEPHONE NUMBERS                      DATE : MARCH 1993

01942 518150

2. TRADE NAME

**Roofing Resin**

(PRODUCT REFERENCE E8728/8741)

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#### CHEMICAL NAME (PRODUCT TYPE)

74% Non-volatile unsaturated polyester resin in styrene

3. PHYSICAL PROPERTIES

Appearance & odour: Pale coloured viscous liquid with characteristic odour of styrene

Solid            \*\*\***Liquid**                      Gas                      Paste                      Thixotropic

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3a)	Boiling Point °C	3b)	Melting Point °C	3c)	Specific Gravity at 20°C
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ca	295°F/145°C	not applicable		1.23
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3d)	Miscibility in Water	3e)	Flash Point (Closed Cup)	3f)	Total Lead Content ppm
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	Miscible				
	*** <b>Immiscible</b>		31°C, 87°F		Zero
	Partially miscible				

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3g)	Explosion Limits in Volume % In Air	3h)	Spontaneous Combustion Temperature	3i)	Acidity/Alkalinity/PH
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	Lower 1.1		490°C in air		--
	Upper 6.1		(450°C in pure oxygen)		

#### 4) TOXICOLOGICAL DATA

##### 4a) Threshold Limit Value (TLV-8hrs TWA)

Source:

Styrene (CAS 100-42-5)      50ppm      Threshold limit values and  
Biological exposure indices for  
1988/89 ACGIH (USA)

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##### 4b) Occupational Exposure Limits (OEL)

Source: EH 40/88

	Long Term Exposure Limit 8 hr TWA value ppm mg m <sup>-3</sup>		Short Term Exposure Limit 10 min. TWA value mg m <sup>-3</sup>	
Styrene(control limit)	100	420	250	1050

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##### 4c) Inhalation

Odour detectable at 25 ppm.

At 200-400 there is a transient irritant effect on nasal passages. At 400-1000ppm increasing systematic effects such as dizziness, nausea and headache. At 800ppm and over becomes intolerable to mucous membranes. At 10,000 and over may cause death in less than one hour.

##### 4d) Ingestion

Severe irritation and symptoms similar to inhalation.

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##### 4e) Skin Contact

Irritant and defatting. May cause dermatitis and permit bacterial attack.

##### 4f) Eye Contact

Vapour at 200-400ppm has transient irritating effect on the eyes. Splashes extremely irritant and dangerous.

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#### **5 FIRST AID - EMERGENCY ACTION**

##### 5a) Inhalation:

Remove patient to open air and seek medical assistance immediately.

##### 5b) Ingestion:

Seek medical aid immediately.  
Severe irritant.  
Drink copious amounts of water.

5c) Skin Contact:

Remove excess, wash with soap and water and/or proprietary cleansing cream.

5d) Eye Contact:

Wash out with copious amounts of water and/or approved eye lotion.  
**Seek medical advice.**

## **6 LABELLING INFORMATION**

6a) **IMCO CLASN :** 3.3      **IMCO PAGE :** 3153      **SI No./UN No.** 1866

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6b) This product contains the substance(s) which are;

<input type="checkbox"/> Highly Inflammable	<input type="checkbox"/> Corrosive	<input checked="" type="checkbox"/> Irritating
<input type="checkbox"/> Toxic	<input type="checkbox"/> Harmful	<input type="checkbox"/> Oxidising

in the sense of current UK and EEC legislative requirements:

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6c) This product contains the substance(s)

<u>EEC No:</u>	<u>Chemical Name of Solvent/Substance</u>	<u>% Weight</u>	<u>Danger Class</u>
601-026-00-0	Styrene	26	Xi (SI 1244)
	Antimony Trioxide	7.65	Toxic (SI 1244)

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6d) Label Reference                      074

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## **7 STORAGE AND HANDLING**

7a) Environmental Health Hazards:

None known, other than stated on this document.

7b) Dangerous Decomposition Products:

None known.

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7c) Storage

Store in closed container under dry, cool conditions. Maximum recommended storage time 3 months.

7d) Conditions for opened drums (e.g. hygroscopic). Include reactions

Containers should be resealed immediately after use and re-stored under dry, cool conditions.

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7e) The following protective clothing is recommended:

Goggles

Gloves

Face Mask

**NOTE:** A GOOD STANDARD OF PERSONAL AND INDUSTRIAL HYGIENE SHOULD BE MAINTAINED AT ALL TIMES

7g) Ventilation:

Ensure efficient ventilation in working area.

7h) Spillages:

Should be soaked up with absorbent inert material (e.g. sand or earth) and collected or disposal in closed containers.

7i) Empty Drums

Empty drums may contain residual resin and due care should be taken to avoid inhalation and eye/skin contact. Additionally, there may be solvent vapour build-up. Store away from source of ignition.

7j) Waste Disposal

Notifiable waste. Dump or burn under controlled conditions. Contact Local Authority for advice.

**8 FIRE - EMERGENCY ACTION: CALL FIRE BRIGADE IMMEDIATELY**

Extinguishing Method:

DO NOT USE WATER

Carbon Dioxide

Dry Chemical

Foam

water

**9 SUPPLEMENTARY INFORMATION ATTACHED:**

**This Health and Safety Product Information Sheet has been approved by:**

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The gel time and viscosity have been adjusted for seasonal temperature variations and the gel time can be identified from the six-digit identification number on the batch label of the container.

Example:

20.15.02- Catalyst addition%

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Gel time in minutes Temp. of test (°C)

(This batch would cure in 20 minutes at a temperature of 15°C with the addition of 2% catalyst)