

DATA SHEET

1. EMERGENCY TELEPHONE NUMBERS

DATE : MARCH 1993

01942 518150

2. TRADE NAME

top coat

PRODUCT REFERENCE 4073-823

CHEMICAL NAME (PRODUCT TYPE)

Pigmented unsaturated polyester resin in Styrene

3. PHYSICAL PROPERTIES

Viscous liquid with characteristic odour of Styrene

Solid	Liquid *	Gas	Paste	Thixotropic
3a) Boiling Point °C		3b) Melting Point °C		3c) Specific Gravity at 20°C
145 °C		not applicable		1.20

3d) Miscibility in Water	3e) Flash Point (Closed Cup)	3f) Total Lead Content ppm
Miscible *** Immiscible Partially miscible	31°C (88°F)	Zero

3g) Explosion Limits in Volume % in air	3h) Spontaneous Combustion Temperature	3i) Acidity/Alkalinity/pH
Lower : 1.1 Upper : 6.1	490°C	-

4. TOXICOLOGICAL DATA

4a) <u>Threshold Limit Value</u>	<u>Source</u>
(9TLV-8hrs TWA)	
Styrene (CAS 100-42-5) 50ppm	Threshold limit values and biological exposure indices-current edition American Conference of Governmental Industrial Hygienists

4b) <u>Occupational Exposure Limits (OEL)</u>	<u>Source: Health & Safety Executive Guidance Notes EH40</u>			
	Long Term Exposure Limit 8hr TWA value		Short Term Exposure Limit 10 min TWA value	
	ppm	mg m ⁻³	ppm	mg m ⁻³
Styrene (max exposure limit)	100	420	250	1050

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 headaches.
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.

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.

5. FIRST AID - EMERGENCY ACTION

5a) Inhalation

Remove patient to open air and seek medical attention immediately.

5b) Ingestion

Seek medical attention immediately. Get patient to drink plenty of water.

5c) Skin Contact

Wash with soap and water.
eye lotion.

5d) Eye Contact

Wash out with plenty of water or medicinal
Seek medical attention immediately.

6. LABELLING INFORMATION

6a)	IMDG Classification	3.3
	IMDG Page	3379
	SI/No/UN No	1866

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 EC legislative requirements.

6c) This product contains the substance(s)

EC No	Chemical name of solvent (or substance)	% Weight	Danger Class
601-026-00-0	Styrene	29	Xi

6d) Label Reference 071

7. STORAGE AND HANDLING

7a) Environmental Health Hazards

None known other than stated in this document.

7b) Dangerous Decomposition Products

Emits acrid smoke and irritating fumes when heated to decomposition.

7c) Storage

Store in closed container under dry, cool conditions. Maximum recommended storage time is 6 months recommended in

technical data sheet.

7d) Conditions for Opened Drums

Will react vigorously with oxidising agents. Containers should be re-closed immediately after use and re-stored under dry, cool

conditions.

7e) It is recommended that the following should be worn:

Gloves

Safety spectacles

Face masks

A GOOD STANDARD OF PERSONAL AND INDUSTRIAL HYGIENE SHOULD BE MAINTAINED AT ALL TIMES.

7f) Ventilation

Efficient ventilation is required in working area. Solvent vapour can form explosive mixture with air.

7g) Spillages

Should be soaked up with absorbent inert material such as sand or earth and collected for disposal in closed containers.

7h) Empty Drums

Empty drums may contain resin residue and care should be taken to avoid inhalation and eye or skin contact. There may also be solvent vapour present. Store away from sources of ignition and oxidising agents.

7i) Waste Disposal

Notifiable waste. Dump or burn under controlled conditions. Contact local waste disposal authority for advice.

8. FIRE - EMERGENCY ACTION - CALL FIRE BRIGADE IMMEDIATELY

Extinguishing Method

Carbon Dioxide

X

Dry Chemical

X

Foam

Water

9. SUPPLEMENTARY INFORMATION ATTACHED

a) Technical Data Sheet

10.

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