



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION SUBSTANCE/PREPARATION AND COMPANY

**Product Name** J-FIX POLYESTER (380ml)  
**Chemical Name & Synonyms** Polyester based Resin in Styrene with Dibenzoyl Peroxide Catalyst and inert fillers  
**Company** Owlett-Jaton, Unit 07 Princess Court, Horace Rd, Kingston, Surrey KT1 2SL  
Information and emergencies 020 8546 6545

## 2. COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components:	Cas Number	Percentage
<u>Resin</u> Styrene	100_42_5	<20%
<u>Base</u> Dibenzoyl Peroxide	94-36-0	<20%

## 3. HAZARDS IDENTIFICATION

Flammable, harmful by inhalation. Incontact with skin, and if swallowed. Irritating to eyes and skin

## 4. FIRST AID MEASURES (Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion)

**Eyes** Irrigate with clean water for at least 15 mnts. Seek medical attention  
**Skin** Remove contaminated clothing. Wash with copious amounts of soap and water. If irritation persists, seek medical advise  
**Ingestion** Do not induce vomiting. Drink plenty of water. Seek medical advise.  
**Inhalation** Move patient to fresh air and allow to rest. Seek medical attention if patient is slow to recover or unconcious  
*First Aiders should protect themselves from exposure ( Ref to section 8 )*

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Dry powder, CO2, and foam. Unsuitable - Halones  
**Exposure Hazards** Flammable. If involved in fire will support combustion. Emits acrid black smoke and irritating fumes when heated to decomposition  
**Fire Fighting Equipment** Wear self contained breathing equipment

## 6. ACCIDENTAL RELEASE MEASURES

Scrape up and place in a suitable container for disposal. Wash area with water do not empty into drains.  
*Refer to sections 5,8 and 13 for protective measures and disposal.*

## 7. HANDLING AND STORAGE

Keep away from heat and sources of ignition. Store below 25°C in a dry well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Resin  
OCCUPATIONAL EXPOSURE LIMITS Long Term 100PPM (UK)  
Short Term 10 minutes 250 PPM (UK)

Cavalyst  
OCCUPATIONAL EXPOSURE LIMITS 5.0mg/m<sup>3</sup>

**Respiratory** Local exhaust is recommended for donfined areas. An organic vapour mask will be required if the occupational exposure limit is exceeded.

**Ingestion** Unlikely during normal use. **Skin Protection** Wear chemical resistant gloves

**Eye Protection** Safety glasses with eye shields

## 9. PHYSICAL/CHEMICAL PROPERTIES

Appearance	Thick coloured paste	Odour	Styrene
Viscosity	N/A	Specific Gravity	1.63g/cm <sup>3</sup> at 20°C
Melting Point	N/A	Boiling Range	Do not distil
Flammability	Flammable	Flash Point	31°C
Explosive Properties	Lower limit 1.1%. Upper limit 6.1%	Auto-Flammability	380°C
Vapour Pressure	6.52mb at 20°C (Styrene)	Oxidising Properties	Oxidising
Solubility	Partly miscible in water	Evaporation Rate	N/A
Partition Coefficient	N/A	pH	Slightly acidic
Additional Information	Active oxygen content 3.27-2.37% Peroxide content 39.5-51.0%	Di-Electric Strength	N/A

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Stable under normal conditions.
<b>Incompatibility:</b>	Reacts vigorously with strong oxidising agents and peroxides
<b>Hazardous Decomposition:</b>	Emits acrid smoke and irritating fumes when heated to decomposition
<b>Hazardous Polymerisation:</b>	Polymerisations in a closed container can give rise to pressure which may rupture the vessel.

**11. TOXICOLOGICAL INFORMATION**

**Oral:** Material is classed as harmful. An LD50 (rat) is 5g/kg for Styrene. LC50 (rat) ranges between 2770-6000ppm.  
**Inhalation:** Lung irritant. Can cause drowsiness and eventual unconsciousness.  
**Eye:** Severe irritant **Skin:** Modest irritant

**12. ECOLOGICAL INFORMATION**

Marine pollutant. Do not discharge into drains or the environment

**13. DISPOSAL CONSIDERATIONS**

In an uncured state, place in a suitable container and dispose as chemical waste in accordance with the local regulations. Small quantities may be reacted with a corresponding amount of activator. Allow to cure and dispose as solid waste.

**14. TRANSPORT INFORMATION**

<b>Supply label:</b>	Harmful. Flammable. Marine Pollutant		
	IMDG Code 3379	UN No./SI No.	1866
	EAC 3 (Y)	Hazard Class	3
	ADR HIN 30	Packing Group	111

**15. REGULATORY INFORMATION**

<b>Labelling:</b>	Harmful. Flammable. Marine Pollutant		
	Risk Phrases	(R10) (R20) (R36/38)	Flammable Harmful by inhalation Irritating to skin and eyes
	Safety Phrases	(S1/2) (S3/7/9) (S23) (S26)  (S28)	Keep locked up and out of reach of children Keep container closed in a well ventilated area Do not breath vapour In case of contact with eyes, rinse immediately with plenty of water and seek medical advise After contact with skin wash with plenty of soap and water

**16. OTHER INFORMATION**

**Our Ref:** MSDS J-Fix Polyester/Issue 3  
**Date of preparation:** June 2005

The above information has been compiled from that provided by our suppliers and other sources. None of the original information relating to hazards or potential hazards has been omitted and so the absence of a particular reference merely implies either that such information has not been determined or that it is not applicable. Should amendments become necessary, these will be published in future issues. The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determination of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.



Unit 07 Princess Court  
 Horace Rd  
 Kingston  
 Surrey KT1 2SL

Tel: 020 8546 6545  
 Fax: 020 8546 6019

