



Polyester Resin

COSHH Sheet



BAPP

Group of Companies

Material Safety Data Sheet

1. IDENTIFICATION SUBSTANCE/PREPARATION AND COMPANY

Product Name	POLYESTER RESIN (380ml)
Chemical Name & Synonyms	Polyester based Resin in Styrene with Dibenzoyl Peroxide Catalyst and inert fillers.
Company	BAPP, Claycliffe Rd, Barugh, Barnsley, S75 1HY Information and emergencies 01226 383824

2. COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components:	Cas Number	Percentage
Resin		
Styrene	100_42_5	<20%
Base		
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 unconscious. 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)

Cayalyst	
OCCUPATIONAL EXPOSURE LIMITS	5.0mg/m ³

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.

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9. PHYSICAL/CHEMICAL PROPERTIES

Appearance	Thick coloured paste	Odour	Styrene
Viscosity	N/A	Specific Gravity	1.63g/cm ³ 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	Oxidizing
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

Stability:	Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Stable under normal conditions.
Incompatibility:	Reacts vigorously with strong oxidising agents and peroxides.
Hazardous Decomposition:	Emits acrid smoke and irritating fumes when heated to decomposition.
Hazardous Polymerisation:	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

Supply label:	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

Labelling:	Harmful. Flammable. Marine Pollutant	
Risk Phrases	(R10) (R20) (R36/38)	Flammable Harmful by inhalation Irritating to skin and eyes
Safety Phrases	(S1/2) (S46)	Keep locked up and out of reach of children. If swallowed seek advice immediately and show this tube or label

16. OTHER INFORMATION

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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.