

MATERIAL SAFETY DATA SHEET



161 Voortrekker Road, Maitland,
Cape Town, 7405, South Africa
Tel: +27 21 511 3926
Email: info@alliedfibreglass.co.za
Website: www.alliedfibreglass.co.za

1. PRODUCT IDENTIFICATION / NAME

Product Name	Allied Clear Surfboard Laminating Resin
Other Means of Identification	Unsaturated Polyester Resin
Recommended Use	No Information Available
Uses Advised Against	No Information Available
Emergency Telephone Number	+27 21 511 3926
Health Emergency Number	0861 555 777
Haz Chem Emergency Number	+27 11 331 2947

2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Type	Unsaturated Polyester Resin
Substance / Mixture	No Information Available
Chemical Family	No Information Available
Formula	No Information Available
UN No.	1866
Erg No.	No Information Available
Hazchem Code	3[Y]E
EAC	No Information Available
Synonyms	Resin Solution
Hazardous Components	Styrene (CAS No.: 100-42-5) < 45%

3. HAZARDS IDENTIFICATION

Eye Contact : Moderate to severe irritation. May cause lachrymation (tears).
Skin Contact : Dryness with moderate to severe irritation or dermatitis.
Inhalation : Irritation to respiratory tract, possible CNS damage.
Ingestion : Gastrointestinal disturbances, pain / discomfort.
Possible carcinogenic properties. Marine pollutant.

4. FIRST-AID MEASURES

First Aid Skin	Remove contaminated clothing & wash affected area thoroughly with soap and water.
First Aid Eyes	Wash thoroughly under running water for ± 15 minutes.
First Aid Ingested	DO NOT induce vomiting. Give plenty of water to drink.
First Aid Inhalation	Remove to well ventilated area. Begin CPR if victim is unconscious. If victim is conscious, give oxygen.

In all cases, immediate medical attention should be sought.

5. FIREFIGHTING MEASURES

Flammability Class : 1C
Flash Point : 31.1 °C (Closed Cup)
Flammability Limits : 1.1 – 6.1 %
Extinguishing Media : Water spray, foam, dry chemical powder, CO₂, any Class B type extinguisher.
NB. Water may be ineffective to cool vapour to below its flash point. Can form explosive vapour/air mixture. Static discharge hazard.

6. ACCIDENTAL RELEASE MEASURES

Prevent spillage from entering any water systems (sewers, rivers, etc). Remove all sources of ignition. Soak up with dry inert material (e.g. sawdust, sand) and dispose off as hazardous waste.

7. HANDLING AND STORAGE

Avoid eye and prolonged skin contact, as well as inhalation. Product to be stored in well ventilated areas, away from sources of ignition. Storage temperature should be approximately 25 °C. Avoid improper addition of accelerator and catalyst.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye : Wear a face shield or chemical goggles. Emergency eye wash station to be ready available.
Skin : Impervious gloves, coveralls, boots and / or other resistant protective clothing to be worn.
Inhalation : Proper respiratory masks should be worn in areas where poor ventilation is prevalent.
Ingestion : Good hygiene practices should be followed when working with the product.

Where possible, design of the storage and work area should be such that adequate ventilation is present, as well as there being no sources of ignition.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to pale straw liquid
Physical State	Liquid
Colour	Clear to pale straw
Odour / Odour Threshold	Strong
pH	No information available
Melting Point	No information available
Boiling Point / Boiling Range	145 - 148°C
Freezing Point	-35°C to -25°C
Flash Point	31.1°C
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Vapour Pressure	0.81 kPa at 25°C
Vapour Density	No information available
Density	1.11 – 1.13 kg/L at 25°C
Water Solubility	Practically insoluble in water. Soluble in acetone and methylene chloride.
Partition Coefficient: N	
Octanol / Water	No information available
Auto-Ignition Temperature	490°C
Decomposition Temperature	No information available

10. STABILITY & REACTIVITY

Product stable under normal conditions. Avoid contact with ignition sources, strong oxidising agents and strong acids. May release irritating, acrid fumes if heated to decomposition. May generate static charge.

11. TOXICOLOGICAL INFORMATION

Product classified as a marine pollutant. Possible carcinogenic and mutagenic effects with prolonged exposure.

12. ECOLOGICAL INFORMATION

Marine pollutant.

13. DISPOSAL CONSIDERATIONS

Prevent disposal of product into water systems. Product and product packaging to be disposed off as per hazardous waste regulations.

14. TRANSPORT INFORMATION

UN No.	1866
EAC	No information available
IMDG Code	No information available
Marine Pollutant	Yes
Class	3.3
Subsidiary Risks	No information available
Tremcard Number	No information available
Hazchem Code	3[Y]E
ERG No.	127
IMDG Packaging Group	III
EMS No.	3-05
Hazard Class	A II
Storage Class	3 A

15. REGULATORY INFORMATION

EEC Hazard Classification	F – Flammable Xi – Irritant Xn – Harmful
Risk Phrases	R10 – Flammable R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed. R 36/37/38 – Irritating to eyes, respiratory system and skin. R 45 – May cause cancer. R 46 – May cause heritable genetic damage. R52/53 – Harmful to aquatic organisms. May cause long term adverse effect in the aquatic environment.
Safety Phrases	S 3/9/14.8 – Keep in a cool, well ventilated place away from oxidising and acidic substances. S 20/21 – When using do not eat, drink or smoke. S 24/25 – Avoid contact with skin and eyes. S 29/56 – Do not empty into drains. Dispose of this material and it's container at hazardous or special waste collection points. S 36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S 47 – Keep at temperature not exceeding 30°C
HMIS	Health = 2 Fire = 3 Reactivity = 1
Hazchem Code	3[Y]E

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