Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME : AACI WaxSol

Details of the supplier of the Safety Data Sheet

Supplier

AA Composites Internation Pty Ltd
Unit 4, 23 Londor Close.
Hemmant.
Queensland
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008
The substance is classified and labeled according to the CLP regulation.

Labeling

Hazard Pictograms



Signal word: Danger

Hazard statements

H226	Flammable liquid and vapour.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P361	Remove/Take off immediately all contaminated clothing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Chemical Family: UV Stabiliser Solution for Unsaturated Polyesters

Component	CAS No	Weight %
Styrene	CAS 100-42-5	< 75%
Kerosine	CAS 92045-36-8	<25

4. FIRST-AID MEASURES

First Aid - Eyes

Immediately flood the eyes with plenty of water for at least 15 minutes, holding the eye open
Obtain medical attention urgently.

First Aid - Skin

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

First Aid - Ingestion

Wash mouth with water. Do induce vomiting
Obtain medical attention urgently.

First Aid - Inhalation

Remove from exposure. Keep warm and at rest.
If there is difficulty in breathing, give oxygen. If breathing stops or gives signs of failing, give artificial respiration. If heart beat absent, give external cardiac compression. (CPR)
Obtain medical attention.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Dry chemical, or carbon dioxide, or dry sand should be used for small fires

Big fires are best controlled by foam.

Special Hazard Products

Nitrogen Oxides, carbon Monoxide will be formed on combustion

Protection For Firefighters

Wear self-contained breathing apparatus**.**

6. ACCIDENTAL RELEASE MEASURES

. **Personal Precautions**

Avoid inhalation, swallowing and contact with skin and eyes

Environmental Precautions

Try to prevent the material from entering drains or watercourses. Advise Authorities if spillage has entered watercourses or sewer or has contaminated soil or vegetation.

Spillages Take precautionary measures against static discharges

7. HANDLING AND STORAGE

Suitable Containers

Lacquer lined Metal

Unsuitable Containers

PVC Containers

Handling

Containers, even those that have been emptied, can contain vapors. Do not cut, drill, weld or similar operations on or near empty containers

Use in well-ventilated area. Adequate ventilation should be provided if there is a risk of vapour build up.

Avoid inhaling vapour. Avoid contact with eyes, skin and clothing.

Never use air pressure to transfer material.

Storage

Storage area should be well ventilated. Store away from heat and ignition and foodstuffs.

Storage and transfer equipment should be adequately earthed and bonded to prevent accumulation of static charges.

Do not store next to Peroxides or Oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE GUIDELINES:

Occupational Health and Safety Act, 1993
Regulations For Hazardous Chemical Substances, 1995 Table 1.

TWA OEL CL 100 ppm (styrene)

ENGINEERING CONTROL MEASURES

Ensure that eyewash stations and safety showers are proximal to the workstation location.

PERSONAL PROTECTION EQUIPMENT

- RESPIRATORY PROTECTION.

If TWA OEL CL level above is exceeded, then suitable respiratory protection must be worn.

- HAND PROTECTION.

Impervious gloves. Evaluate the resistance of the product under conditions of use.

- EYE PROTECTION

Wear approved safety glasses or chemical goggles or a face shield. Have an emergency eyewash station readily available in the working area.

- SKIN & BODY PROTECTION

Impervious gloves, coveralls, boots, and/or other resistant protective clothing. Have a safety shower/ eye wash fountain readily available in the immediate work area.

OTHER PROTECTIVE MEASURES

Remove contaminated clothing immediately. Keep contaminated clothing in closed containers. Discard or launder before rewearing. Inform laundry personnel of contaminated hazards.

HYGIENE MEASURES.

Do not eat, drink or smoke in workplace. Wash hands before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Water White
ODOUR	Styrene
pH	Not applicable
BOILING POINT/RANGE	145 - 148 °C
FREEZING POINT	-30.6°C
FLASH POINT	31 ° Styrene (closed cup)
FLAMMABILITY	1.1 - 6.1 % v/v (Styrene)
AUTOFLAMMABILITY	490°C

EXPLOSIVE PROPERTIES	Styrene	LEL	1.1%	UEL	6.1%
OXIDISING PROPERTIES	None				
VAPOUR PRESSURE	Styrene	0.60 kPa at 20°C			
		0.81 kPa at 25°C			
DENSITY	1.11 - 1.13 g cm^{-3}				
SOLUBILITY - WATER	Practically insoluble 0.03%				

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal storage conditions.

CONDITIONS TO AVOID

High temperatures.

MATERIALS TO AVOID

Oxidizing agents. Mineral Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, the product can emit acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral LD 50 (rat) is 5000 $mg.kg^{-1}$. Pigment - No data available.
Inhalation 4h LD 50 (rat) >2800 ppm (Styrene)
Harmful by inhalation

SKIN AND EYE CONTACT

Causes moderate irritation to skin and eyes

INHALATION

Excessive exposure may cause irritation of upper respiratory tract.

CHRONIC or LONG TERM TOXICITY

CARCINOGENICITY

The IARC (International Agency for Research on Cancer) assessment: this product (styrene) is possibly carcinogenic to humans (Group 2B). The EEC Commission has reviewed the available data for styrene and has concluded that there is insufficient evidence to warrant classification of styrene as a carcinogen.

MUTAGENICITY

Most studies conducted on styrene have proven inconclusive.

REPRODUCTIVE TOXICITY

Studies in laboratory animals have shown no effects on fetal development in the following species:
rats, rabbits. (Styrene)

Developmental effects were seen in laboratory animals only on dose levels that were maternally toxic.
The following species were affected: rats - oral. (Styrene)

Studies in laboratory animals have shown no effects on fertility in the following species: rats. (Styrene)

12. ECOLOGICAL INFORMATION

MOBILITY

This product is insoluble in water.

PERSISTENCE / DEGRADABILITY

Styrene is readily biodegradable. BOD20=87% of ThOD
BOD20 (salt water) =80% of ThOD

BIO ACCUMULATION

May cause tainting of fish and shellfish. (Styrene)

ECOTOXICITY

Styrene is rated as slightly toxic to aquatic species.

AQUATIC TOXICITY - Bluegills	96h LC50 of 65 mg/litre	(styrene)
AQUATIC TOXICITY - Daphnia magna (water flea)	Acute LC50 23 - 255 mg/litre	(styrene)
GROWTH INHIBITION THRESHOLD IN BACTERIA	72mg/litre	(styrene)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Disposal of liquid resin should only occur under conditions approved by local authorities. See also section 6. It may be necessary to wet dust generated from polishing or grinding finished products in order to avoid airborne dispersal thereof.

DISPOSAL OF PACKAGING

Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Empty containers may contain hazardous residues and should be disposed of under conditions approved by local authorities. Contaminated containers must not be treated as household waste. Contaminated containers must not be incinerated. Contaminated containers must not be re-used.

14. TRANSPORT INFORMATION

TARIFF No.	2902
UN No. 2055	
SUBSTANCE IDENTITY No.	2055
ADR/RID CLASS	Not available
ADR/RID ITEM No.	Not available
ADR/RID HAZARD IDENTITY No.	Not available
IMDG - SHIPPING NAME	Styrene Monomer Inhibited
IMDG - CLASS	Class 3
IMDG - PACKAGING GROUP	111
IMDG - MARINE POLLUTANT	Yes
IMDG - EMS No.	3-07
IMDG - MFAG TABLE No.	310
IATA - SHIPPING NAME	Styrene Monomer Inhibited
IATA _ CLASS	Class 3
IATA - SUBSIDIARY RISK(S)	Data not available
TREMCARD No.	Not available

15. REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION Flammable. Harmful. Irritant. [R10; Xn; Xi] (Styrene)

RISK PHRASES Flammable. Harmful by inhalation and if swallowed. Irritating to eyes and skin.
[R: 10, 20, 22, 36/38]

SAFETY PHRASES Do not breathe vapour. Avoid contact with skin. If swallowed do not induce vomiting
[S: 23, 24, 62]

16. OTHER INFORMATION

Prepared By: D.Lawson accordance with GHS requirements

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Revision Summary:

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End of Safety Data Sheet