

Section 1 - Identification of The Material and Supplier

Company Details: A&I Coatings Pty Ltd
7 Lackey Rd, Moss Vale NSW 2577
Phone: +61 2 4869 1441 (Office Hours)
Fax: +61 2 4869 3031
Website: www.aicoatings.com
Email: helpdesk@aicoatings.com
EMERGENCY TEL: **24 Hour Number 61 3 8769 0291** or (M) 0458 715 846 or (M) 0429 034 350
Chemical nature: Epoxy Vinyl Ester Resin
Trade Name: ENVIROSET VE Primer
Product Use: Composite Resin
Creation Date: July, 2026
This version issued: July, 2026 and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

Classified as Dangerous Goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

Label Contents



GHS Signal word: DANGER

Flammable Liquid	Category 3 - (H226)
Acute toxicity – Oral	Category 4 – (H302)
Acute toxicity - Inhalation (Vapours)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Reproductive Toxicity	Category 2 – (H361)

Hazard statements

H226 - Flammable liquid and vapour
H303 – May be harmful if swallowed
H332 - Harmful if inhaled
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H361 – Suspected of damaging fertility or the unborn child

SAFETY DATA SHEET

H335 - May cause respiratory irritation

H372 - Causes damage to organs through prolonged or repeated exposure

H402 – Harmful to aquatic life

Precautionary Statements

P210 – Keep away from heat/sparks/flames/hot surfaces. No Smoking

P233 – Keep container tightly closed

P240 – Ground/Bond container and receiving equipment

P241 – Use explosion-proof electrical equipment

P243 – Take precautionary measures against static discharge

P280 – Wear protective gloves, eye protection, face protection.

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS Number	Proportion
POLYMER	036425-16-8	50-70%
STYRENE	000100-42-5	40-5'0%

Section 4 - First Aid Measures

General Information:

Remove soiled or soaked clothing immediately. Launder contaminated clothing before re-use.

If Swallowed: Do not induce vomiting. Keep person warm, quiet and seek medical aid immediately. Aspiration of material into the lungs can cause chemical pneumonitis.

If in Eyes: Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes and seek medical advice

If on Skin: Wash off immediately with soap and plenty of water.

If Inhaled: Remove from the source of vapour/dust/spray/fumes to open space or fresh air. Keep person warm, quiet and seek medical aid immediately. If breathing is difficult, give oxygen.

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Section 5 - Fire Fighting Measures

Flash Point: 31°C for Styrene

Hazchem code: -3Y

Extinguishing Media: Water fog, fine water spray, carbon dioxide, alcohol resistant foam or dry agent. Do not use full water jets.

Special Fire Fighting and Procedures: Firefighters should use positive pressure respiratory protection, protective clothing gloves

Reactivity: Dense smoke is produced. Vapours are heavier than air and may travel a long distance and accumulate in low areas.
Hazards: Flammable mixtures exist within the headspace of containers at room temperature. In use, may form flammable/explosive vapor-air mixture.

Fire/Explosion/Decomposition and Hazards: Take precautions against electrostatic charging. In case of fires, hazardous combustion gases are formed –carbon monoxide carbon dioxide

SAFETY DATA SHEET

Aquatic, Air or Soil**Environmental Hazards:** Do not allow the product to enter waste water, rivers or creeks.**Section 6 - Accidental Release Measures****Personal precautions:** Do not breathe vapours. Eliminate all sources of ignition. Ground and bond all containers and handling equipment.**Environmental precautions:** Do not allow to enter soil or waterways.**If the product enters drains notify the relevant authorities immediately.****Methods for cleaning up:** Eliminate all ignition sources.
Pump with explosion proof equipment. If available use foam to smother and suppress.
Remove residual with hot soapy water. Pick up with absorbent material (eg sand, kieselgur, universal binder, sawdust)**Section 7 - Handling and Storage****Handling:** Provide good ventilation of working area (local exhaust ventilation if necessary)
Avoid sources of static electricity during handling. Ground and bond containers when transferring material to avoid sparks which could ignite vapours.
During processing and handling of the product, comply with occupational exposure limit values.**Storage:** Keep away from sources of ignition – No Smoking
To ensure maximum stability and maintain optimum resin properties, store below 25°C Do not store in direct sunlight
Store separate from oxidising materials, peroxides, metal salts.
Take precautionary measures against electrostatic loading.
Keep container tightly closed, cool and dry.
Empty containers may retain product residue. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to sources of ignition.
Copper or copper containing alloys should be avoided as containers
To ensure maximum stability store at temperatures below 25°C**Section 8 - Exposure Controls and Personal Protection****Exposure limit values**Styrene monomer; TWA 50 ppm, 213 mg/m³
STEL 75 ppm 320 mg/m³TWA: Long term exposure limit, 8 hour reference period
STEL: Short term exposure limit, 15 minute reference
period OSHA PELBiological Exposure Indices
Biological Monitoring Index
Styrene 0.02mg/L
Mandelic acid 800mg (Ns)**Personal protection**

Remove soiled or soaked clothing immediately.

Appropriate Engineering Controls**SAFETY DATA SHEET**

Styrene vapour may be released during application and curing of this product. Ensure adequate ventilation to maintain airborne concentrations below applicable occupational exposure standards. Use local exhaust ventilation where practicable, particularly in enclosed or poorly ventilated areas. Mechanical ventilation may be required during application, curing, and confined space work.

Respiratory Protection

Where engineering controls are insufficient to maintain exposure below occupational exposure limits, wear a suitable respirator approved for organic vapours. For spraying operations or where high airborne concentrations are likely, use an air-fed respirator or a combination organic vapour/particulate respirator selected in accordance with AS/NZS 1715 and AS/NZS 1716. Respiratory protection should be selected based on anticipated exposure levels and workplace conditions. Because styrene vapour concentrations may exceed occupational exposure standards during spray application and curing, the use of an air-supplied respirator is recommended where adequate ventilation cannot be demonstrated.

Eye and Face Protection

Wear chemical safety glasses with side shields or chemical splash goggles. When spraying or where splashing may occur, wear a face shield in addition to eye protection.

Hand Protection

Wear chemically resistant gloves such as nitrile, butyl rubber, or other gloves demonstrated to provide suitable protection against styrene-containing products. Consult glove manufacturer recommendations regarding breakthrough times.

Skin and Body Protection

Wear suitable protective clothing to prevent repeated or prolonged skin contact. Impervious coveralls, chemical-resistant footwear, and other protective equipment may be required depending on the application method and exposure potential.

Hygiene Measures

Avoid inhalation of vapours, mists, or spray aerosols generated during application and curing. Wash hands and exposed skin thoroughly after handling and before eating, drinking, or smoking. Contaminated clothing should be removed and laundered before reuse.

Environmental Exposure Controls

Prevent release to drains, waterways, and soil. Ensure adequate containment of spills and application residues.

Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Appearance:	Liquid
Colour:	Violet Blue
Odour:	Styrene
Boiling Range:	146°C
Melting Range:	-30.6°C
Vapour pressure:	4.3 mm Hg @20°C

SAFETY DATA SHEET

Density:	1.05 ± 0.02 @20°C
Vapour Density:	3.6g/l
Percent volatile:	Not available
pH:	Not available
Saturation in air:	Not available (% by volume)
Evaporation Rate:	Slower than ether
Solubility in water:	Insoluble
Volatile Organic	Not available
Flash Point:	31°C
Flammable limits:	Lower: 1.1, Upper: 6.1, % by volume
Autoignition Temperature:	Not available
Decomposition temperature	Not available
Partition coefficient	Not available (n-octanol/water)
Viscosity:	150 – 300 cps

Section 10 - Stability and Reactivity

Chemical Stability:	Stable at room temperature
Conditions to avoid:	Exposure to excessive heat or direct sunshine or direct flame: storage in open containers: storage above 38°C: contamination with oxidising agents.
Hazardous Polymerisation:	May occur
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, low molecular weight hydrocarbon, organic acids.
Materials to avoid:	Strong mineral acids, strong alkalis, oxidising agents.

Section 11 - Toxicological Information

Acute toxicity: LD50 – oral, rat >4,000 mg/kg
Acute toxicity: LC50 – oral, rat >5,000 ppm/4h
Acute toxicity: LD50 – skin, rabbit >2,000 mg/kg

Mutagenicity:

For styrene: in vitro Mutagenicity studies were inconclusive. Animal Mutagenicity tests were inconclusive.

Section 12 - Ecological Information

Information on the product:

Do not allow to enter soil, waterways and waste water.

LC50: 25.1 – 74.8mg/L/96h

BCF: 13.5

Styrene is highly toxic to aquatic organisms (LC50/EC50 between 0.1 and 1 mg/L in most sensitive species)
Material is readily biodegradable. Reaches more than 70% mineralisation in OECD tests for inherent biodegradability.

Section 13 - Disposal Considerations

Product:	Do not dispose of in sewers, on the ground, into any body of water. Incineration in a suitable incineration plant, observing local authority regulations Hazardous waste must be transported by a licensed transporter
Uncleaned packaging:	Packaging should be disposed of as product waste

SAFETY DATA SHEET

Section 14 - Transport Information

Dangerous Goods:	Yes	
UN Number:	1866	
Shipping Name:	RESIN SOLUTION	
DG Class:	3	DG Sub-Risk: N/A
Packing Group:	III	
EGP Number:	N/A	
HAZCHEM Code:	-3Y	

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are listed on the Australian Inventory of Chemical Substances (AICS) and compliant with NICNAS regulations.

Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poison Schedule Number S5

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (July 2020 to GHS7)

SAFETY DATA SHEET