

MATERIAL SAFETY DATA SHEET



NON-Hazardous Substance, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Corvic Vinyl (All Grades)**

Synonyms: PVC, Polyvinyl chloride, Vinyl resin

Recommended use: A wide range of rigid and flexible applications including pipes and fittings, profiles, wire and cable and packaging and medical applications.

Supplier: Australian Vinyls Corporation Pty Ltd

ABN: 15 078 558 595

Street Address: 65 Leakes Road
Laverton, VIC 3028
Australia

Telephone: +613 9368-4800

Facsimile: +613 9368-4888

Emergency telephone number: **1800 677 959**

2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of ASCC Australia.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Poisons Schedule (Aust): Not applicable.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Homopolymers of vinyl chloride monomer	9002-86-2	>99%
Vinyl chloride	75-01-4	Trace
		----- 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Seek medical advice if effects persist.

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Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. If molten material should contact the skin and adhere, cool quickly with running water - do not attempt to remove. Seek immediate medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible solid. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to the "Guide to the Safe Handling of PVC Resin Supplied by Australian Vinyls."

Fire fighting further advice: On burning may emit toxic fumes, including those of hydrogen chloride, carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal.

LARGE SPILLS

Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labeled containers or drums for disposal.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of dust.

Storage: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the Australian Safety and Compensation Council (ASCC).

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Inspirable dust	-	10	-	-	-	-

As published by the Australian Safety and Compensation Council (ASCC).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (ASCC)" the following ingredients in this material requires Health Surveillance:

Vinyl chloride

For detailed information see "Guidelines for Health Surveillance (ASCC)"

Engineering measures: Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Use impervious gloves, however, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: White, free flowing powder. Odourless.

Solubility:	Insoluble in water. Soluble in tetrahydrofuran, ethylene dichloride and cyclohexanone.
Specific Gravity (20 °C):	1.42
Relative Vapour Density (air=1):	N App
Vapour Pressure (20 °C):	N App
Flash Point:	N App
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N Av
Melting Range (°C):	80-200

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Boiling Point/Range (°C): N App
pH: N App

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: No information available.

Conditions to avoid: No information available.

Incompatible Materials: Incompatible with sulfuric acid (90%), nitric acid (>50%), bromine and fluorine.

Hazardous decomposition products: No information available.

Hazardous reactions: No information available.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation. Exposure to molten material may cause skin burns.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature.

Ingestion: No adverse effects expected however large amounts may cause nausea and vomiting.

Long Term Effects: Repeated exposure by inhalation to high levels of PVC dust may cause adverse effects on the lungs.

Acute toxicity / Chronic toxicity: No LD50 data available for the product. This product contains trace amounts of vinyl chloride monomer that can be slowly released into surroundings. The emission into processing plant atmospheres will only produce trace levels of vinyl chloride monomer, considerably lower than the stipulated limits. While there is some evidence that chronic inhalation of PVC dust may be associated with respiratory dysfunction and pulmonary fibrosis, the method of manufacture of suspension grade PVC results in predominantly non-respirable polymer particles. Also, the material is resistant to physical deterioration and does not generate significant amounts of respirable dust from abrasion. Respiratory dysfunction due to inhalation of dust from these grades of PVC is thus considered unlikely.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: Unlikely to be hazardous to aquatic life.

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Persistence and degradability: Product shows no evidence for biodegradability in water or in soil and can be removed in biological treatment processes.

Mobility: Product has low potential for bioaccumulation and no mobility in soil.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Poisons Schedule (Aust): Not applicable.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This material safety data sheet has been prepared by EIAS Pty Ltd on behalf of its client.

Reason(s) for Issue: 5 yearly review

DISCLAIMER

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Australian Vinyls Corporation Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.