

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:	Acrylic polyol resin solution in organic solvents.
Trade Name:	VITRETHANE V633 Pack A
Product Code:	V633A
Product Use:	Component A of a two-pack coating used for long term decoration and protection of solid substrates, spray or roller applied. This SDS must be read in conjunction with SDS for Vitrethane V630 Pack B
Creation Date:	March 2018
This version issued:	August 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

Hazardous chemical according to the model Work Health and Safety Regulations.

Flammable liquids Category 2

Acute Toxicity Dermal Category 4

Skin Irritation Category 2

Eye irritation Category 2A

Acute Toxicity Inhalation Category 4

Specific Target Organ Toxicity - Single Exposure Respiratory Category 3

Hazardous according to the criteria of SWA. Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: S5

ADG Classification: Class 3: Flammable liquids.

UN Number: 1263, PAINT



GHS Signal Word: DANGER

HAZARD STATEMENT:

H225: Highly flammable liquid and vapour.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

PREVENTION

P210: Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.

P233: Keep container tightly closed.

P241: Use explosion-proof electrical ventilating, lighting and other equipment.

P242: Use only non-sparking tools.

P261: Avoid breathing fumes, mists, vapours, or spray.

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P262: Do not get in eyes, on the skin, or clothing.
P264: Wash contacted areas thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE

P363: Wash contaminated clothing before reuse.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.
P381: Eliminate all ignition sources if safe to do so.
P370+P378: In case of fire, use carbon dioxide, dry chemicals, foam. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.

STORAGE

P410: Protect from sunlight.
P402+P404: Store in a dry place. Store in a closed container.
P403+P235: Store in a well-ventilated place. Keep cool.

DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Acrylic Polyol resin	Proprietary	40-60	not set	not set
Xylene	1330-20-7	10-20	not set	not set
1-Methoxy-2-propyl acetate	108-65-6	10-20	not set	not set
Cellulose acetate butyrate	Proprietary	5-15	not set	not set
Other nonhazardous ingredients	Proprietary	balance	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

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.

Inhalation: If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove the source of contamination or move the victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow the victim to move about unnecessarily. Remove to fresh air. If symptoms persist, see medical advice

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until the product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if the exposed person is wearing contact lenses.

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Ingestion: If the product is swallowed or gets in the mouth, DO NOT INDUCE VOMITING; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen-deficient (or both), fire gases. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flashback considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemicals, foam. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used. Try to contain spills, minimise spillage entering drains or watercourses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is a full fire kit and breathing apparatus.

Flash point: 22°C (Closed cup)

Upper Flammability Limit: 7.5%

Lower Flammability Limit: 1.4%

Autoignition temperature: No data.

Flammability Class: Flammable Category 2 (GHS); Highly Flammable (AS1940).

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or watercourses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials include butyl rubber, nitrile rubber or laminated barrier for protective clothing include butyl rubber, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

Stop leak if safe to do so and contain the spill. Absorb onto sand, vermiculite, or other suitable absorbent material. If the spill is too large or if absorbent material is not available, try to create a dike to stop material from spreading or going into drains or waterways. Avoid using sawdust or other combustible material. Any electrical equipment should be non-sparking. Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for an approved landfill. Ensure legality of disposal by consulting regulations before disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of the nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of the product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding the sale, transport and storage of this schedule of poison. Store in a cool, well-ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers periodically for leaks. Containers should be kept closed to minimise contamination and possible evaporation. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 2500kg or L of Dangerous Goods of Packaging Group II, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority to clarify your obligations. Check packaging - there may be further storage instructions on the label.

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Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well-ventilated area. Use only in well-ventilated areas. Local exhaust ventilation should be used where vapours, mists or spray are generated. Ventilation systems should be suitable for use in flammable atmospheres.

If natural ventilation is inadequate, the use of an explosion-proof fan is suggested

Eye Protection: Chemical safety glasses or chemical splash goggles should be worn. Where splashing is likely, a face shield should

Skin Protection: Wear impervious gloves, coveralls and chemical-resistant footwear where repeated or prolonged contact may occur. Contaminated clothing should be removed and laundered before reuse.

Protective Material Types: Suitable glove and protective clothing materials include butyl rubber, nitrile rubber and laminated barrier materials. Selection should be based on the duration and conditions of use. well-ventilated areas.

Respirator: Where ventilation is inadequate or exposure limits may be exceeded, wear an organic vapour respirator complying with AS/NZS 1716. For spray application, air-supplied respiratory protection may be required depending on the risk assessment and airborne concentrations.

N.B. The final choice of appropriate personal protection will vary according to individual circumstances. This can include methods of handling and engineering controls as determined by appropriate applicator risk assessment.

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:

Physical Description & Colour:	Clear or pigmented moderately viscous liquid
Odour:	Solvent odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	0.95-1.25 at 20°C
Water Solubility:	Negligible.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep away from sources of sparks or ignition. Handle and open containers carefully. Any electrical equipment in the area of this product should be flameproofed.

Incompatibilities: oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

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Information on likely routes of exposure

Exposure may occur by inhalation of vapours, mists or aerosols, skin contact, eye contact and ingestion.

Acute Toxicity

Harmful in contact with skin. Harmful if inhaled.

Exposure to solvent vapours or mists may cause headache, dizziness, drowsiness, nausea and irritation of the respiratory tract. Ingestion may cause gastrointestinal irritation and discomfort.

Skin Corrosion / Irritation

Causes skin irritation.

Contact may cause redness, irritation, drying and cracking of the skin. Prolonged or repeated exposure may aggravate these effects.

Serious Eye Damage / Irritation

Causes serious eye irritation.

Direct contact may result in redness, watering, pain, stinging and temporary blurred vision.

Respiratory Effects

May cause respiratory irritation.

Inhalation of vapours, mists or spray may irritate the nose, throat and respiratory tract. Exposure to high vapour concentrations may cause headache, dizziness, drowsiness and other central nervous system effects.

Skin Sensitisation

Not expected to be classified based on available information.

Germ Cell Mutagenicity

Not expected to be classified based on available information.

Carcinogenicity

No ingredient present at concentrations requiring classification of the product as a carcinogen.

Reproductive Toxicity

Not expected to be classified based on available information.

Specific Target Organ Toxicity (Single Exposure)

May cause respiratory irritation.

High vapour concentrations may cause temporary central nervous system depression characterised by headache, dizziness and drowsiness.

Specific Target Organ Toxicity (Repeated Exposure)

Not expected to be classified based on available information.

Aspiration Hazard

Not expected to present an aspiration hazard under normal conditions of use.

Chronic Effects

Repeated or prolonged exposure to solvents may cause drying, defatting and cracking of the skin. Repeated exposure to high concentrations of solvent vapours may cause adverse effects on the central nervous system.

Toxicological Data

No toxicity data are available for the product as a whole. Classification has been based on the known properties and concentrations of the ingredients.

Section 12 - Ecological Information

Avoid release to the environment.

Prevent contamination of waterways and drains.

No specific ecotoxicological data are available for the mixture.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

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Section 14 - Transport Information

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number: 1263, PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) (see 3.2.5 for relevant AUST entries)

Hazchem Code: •3YE

Special Provisions: 163

Limited quantities: ADG 7 specifies a Limited Quantity value of 5 L for this class of product.

Dangerous Goods Class: Class 3: Flammable liquids.

Packing Group: II

Packing Instruction: P001, IBC02

Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid, is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

Section 15 - Regulatory Information

AICIS: All significant ingredients in this formulation are listed on, or otherwise comply with, the requirements of the Australian Industrial Chemicals Introduction Scheme (AICIS).

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)
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)
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 the product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2022 to GHS7).

SAFETY DATASHEET