

Material Safety Data Sheet

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Issue Date : September 2010

Issued by: *A. & I. Coatings*

Product Name : **VITREFLON V700 PACK A**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name	VITREFLON V700 Pack A
Product Use	Component of a two pack coating used for long term decoration and protection of solid substrates, usually spray applied.
Company Name	Architectural and Industrial Coatings (ABN: 48 183 706 679)
Address	7 Lackey Road, MOSS VALE, N.S.W. 2577 AUSTRALIA
Emergency Tel.	A/H. 02 4868 1038
Telephone	Tel: 02 4869 1441 Fax: 02 4869 3031
Number / Fax.	

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Name	CAS No.	Proportion
	Xylene	1330-20-7	30 – 60%
	Inorganic or organic colour pigment		0 – 30%
	n-Butyl Acetate	123-86-4	1 – 10%
	1- Methoxy Propylacetate - 2	108-65-6	1 – 10%
	Additives (U.V. absorbers, flow agents, catalysts)		0 – 2%

3. HAZARDS IDENTIFICATION

Highly flammable.
This product is only used when mixed with Pack B, therefore also consult Material Safety Data Sheet for Vitreflon V700 Pack B.
Harmful by inhalation.
Irritating to eyes and skin.

4. FIRST AID MEASURES

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.
Ingestion	Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs remove contaminated clothing and wash contaminated skin and hair with plenty of soap and running water. Wash contaminated clothing before re-use. If swelling, redness, blistering, or Irritation occurs seek medical advice.
Eye	If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically. For advice, contact a Poisons Information Centre Australia 131 126

5. FIRE FIGHTING MEASURES

Extinguishing Media	Foam, dry agent (carbon dioxide, dry chemical powder)
Specific Methods	Highly flammable liquid. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
Specific Hazards	Highly flammable liquid. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed.

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Hazardous Combustion Products
Decomposition Temp. Vapour may travel a considerable distance to source of ignition and flash back.
On burning may emit toxic fumes which may include carbon monoxide, carbon dioxide, and hydrogen fluoride. Keep containers cool with water spray.
Not available.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Slippery when split. Wear self-contained Breathing apparatus (S.C.B.A.) and full protective clothing to minimize skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Corrosiveness Not Corrosive to aluminium.
Storage Regulations For information on the design of the storeroom reference should be made to Australian Standard A.S.1940. The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.
Storage Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidizing agents. Keep containers closed at all times - check regularly for leaks. This material is a SCHEDULED (S6) POISON and must be stored, handled and maintained according to the appropriate Commonwealth Regulations. Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's National Code of Practice for the Labelling of Workplace Substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Xylene	655	150	350	80	
	n-Butyl Acetate	950	200	713	150	

Other Exposure Information
No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for constituents are stated above.
TWA - The Time-Weighted Average airborne concentrations 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 work day.
According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.
Peak Limitation - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.
'Sk' notice - absorption through the skin may be a significant source of exposure. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable.
Other Exposure Information
Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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Personal Protective Equipment

Respiratory

Positive pressure air supplied full face respirator preferred for long term use. Cartridge filter mask complying with AS 1716 for organic vapours acceptable for short periods depending on risk assessment.

Hands

Protective gloves, rubber or PVC recommended.

Eyes

Goggles recommended.

Always wash hands before eating, drinking or using the toilet. Do not smoke.

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.

Apply in a spray booth fitted with an effective exhaust system and comply with local regulations applicable to spray painting. The Spray booth area should be isolated from other people whilst spraying is in progress and until all spray mist has been effectively dispersed. Catalysed product deteriorates on contact with moisture liberating gas. Take care when opening can as contents may be under pressure. Cover lid with cloth and remove lid slowly to prevent splashing. Avoid breathing dust when sanding. Wet sand or use a dust mask. Ensure exhaust air does not contaminate other work spaces and electrical equipment is in accordance with applicable regulations.

Eng. Controls

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted exposure standards. Keep containers closed when not in use. Vapour heavier than air - Prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Hygiene Measures

Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear or opaque, moderately viscous liquid with a solvent odour.
Decomposition	Not available
Temperature	
Boiling Point	Not available
Melting Point	Not applicable
Solubility in Water	Negligible
Solubility in Organic Solvent	Soluble in most organic solvents.
Specific Gravity (H ₂ O = 1)	1.23 Approx. @ 20°C
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density (Air = 1)	> 1 (Air = 1)
Evaporation Rate	Not available
Viscosity	20 seconds (Ford No. 4 Cup)
Volatile Component	25%
Flash Point	22°C (Closed cup) - (Butyl Acetate)
Flammability	HIGHLY FLAMMABLE LIQUID - Keep away from sources of ignition - No smoking. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep container tightly closed.
Ignition Temperature	Not available
Flammable Limits	1.4% (Butyl Acetate)
LEL	
Flammable Limits	7.5% (Butyl Acetate)
UEL	

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10. STABILITY AND REACTIVITY

Stability	Stable under normal use conditions.
Hazardous	Will not occur.
Polymerization	
Materials to Avoid	Reacts with oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product, however toxicity data for constituents are stated below. For the solvent, Xylene: Oral LD50 (rat): 4300 mg/kg Inhalation LC50 (rat): 500ppm/4 Hrs In two year gavage studies there was no evidence of carcinogenicity for male and female F344/N rats given 250 or 500 mg/kg or for male and female B6C3F1 mice given 500 or 1000 mg/kg.
Inhalation	Harmful by inhalation. Vapour may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and, if exposure is prolonged, unconsciousness.
Ingestion	Swallowing can result in nausea, vomiting and central nervous system depression. If victim is unco-ordinated there is a greater likelihood of vomit entering the lungs and causing subsequent complications.
Skin	Harmful in contact with skin. Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeat of prolonged skin contact may lead to irritant contact dermatitis.
Eyes	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	For the major solvent Xylene: Repeated or prolonged exposure to this chemical could result in central nervous system disorders.

12. ECOLOGICAL INFORMATION

Environmental Protection	Avoid contaminating waterways.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal	Disposal should be in accordance with the relevant local, state and federal overnment regulations. The recommended method is controlled incineration by approved agent. Advise flammable nature.
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14. TRANSPORT INFORMATION

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN-No : 1263
Class : 3 Flammable Liquid
Hazchem code : 3[Y]E
Packaging group : Packaging Group II
Proper Shipping Name : PAINT RELATED MATERIAL
Segregation Dangerous Goods :

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2, Spontaneously Combustible Substances
- Class 5.1, Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

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U.N. Number 1263
Proper Shipping Name PAINT RELATED MATERIAL
DG Class 3 Flammable Liquid
Hazchem Code 3[Y]E
Packaging Method 5.9.3RTI
Packaging Group II
EPG Number 3CI
IERG Number 14

15. REGULATORY INFORMATION

Risk Phrase R11 Highly Flammable
R20/21 Harmful by inhalation and in contact with skin.
R36/38 Irritating to eyes and skin.

Safety Phrase S16 Keep away from sources of ignition - No Smoking.
S23 Do not breathe gas / fumes / vapour / spray.
S24/25 Avoid contact with skin and eyes.
S29 Take precautionary measures against static discharges.
S51 Use only in well ventilated areas.
S61 Avoid release to the environment. Refer to special instructions / safety data sheet

Poisons Schedule S5

Hazard Category Toxic, Highly Flammable, Dangerous for the environment

16. OTHER INFORMATION

Contact Person/Point EMERGENCY INFORMATION CONTACT: Mr. Peter Gillies
02 4869 1441 (business hours)
02 4868 1038 (after hours).

... End of MSDS ...

This information is, as of this date, true and accurate to the best of A. & I. Coatings' knowledge. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. Actual conditions of use and handling may require consideration of information other than, or in addition to, that provided herein.