



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: VBS RESIN (WATER VAPOUR BARRIER AND SEALER)

Other name(s): Vapour Barrier System Resin

Supplier: Selleys Pty Ltd

ABN: 67 000 049 427

Street Address: 1 Gow Street

Padstow 2211

Australia

Telephone Number: +61 2 9781 8777

Facsimile: +61 2 9781 8825

Emergency Telephone: 1 800 033 111 (ALL HOURS)

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

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

Risk Phrases: Harmful by inhalation and if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

Safety Phrases: Do not breathe vapour. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap-suds. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment.

Poisons Schedule: S5 Caution.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: For sealing concrete to limit the rate at which water vapour from slabs can migrate into wooden floor overlays. Also refer to the MSDS for VBS Hardener. Clear yellow liquid.

Components / CAS Number	Proportion	Risk Phrases
Bisphenol A-Epichlorhydrin reaction product(NAMW<700)	>60%	R36/38,R43
25068-38-6		

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Benzyl alcohol	10-<30%	R20/22
100-51-6		
d-Limonene	1-<10%	R10 R38 R43 R50/53
5989-27-5		

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Inhalation:	Remove victim from area of 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 a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Skin Contact:	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
Ingestion:	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.
Medical attention and special treatment:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:	Combustible liquid.
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Precautions for fire fighters and special protective equipment:	On burning will emit toxic fumes, including those of hydrogen chloride and oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
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Suitable Extinguishing Media:	Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	SMALL SPILLS: Slippery when spilt. Avoid accidents, clean up immediately. Wear
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protective equipment to prevent skin and eye contact. Wipe up with rag or absorbent paper.

Methods and materials for containment and clean up:

LARGE SPILLS: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services. Cured material can only be removed by cutting or abrasion.

7. HANDLING AND STORAGE

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage: Store in cool place and out of direct sunlight. Store away from foodstuffs. Store away from oxidising agents. Keep containers closed when not in use - check regularly for spills.

Precautions for safe handling: Avoid skin and eye contact and breathing in vapour.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering controls:

Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment:

Selleys Factory Safe Handling Code: Blue

MANUFACTURE, PACKAGING AND TRANSPORT: Blue - Wear clean overalls, safety boots, general purpose gloves (PVC) and full face visor. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

FOR CONSUMER USE: Use with adequate ventilation. Avoid contact with eyes and skin. Wear rubber/PVC gloves, safety glasses and overalls. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state:	Liquid
Colour:	Clear / Yellow
Solubility:	Insoluble in water.
Specific Gravity:	1.1
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	72
Flammability Limits (%):	N Av
Autoignition Temperature (°C):	N Av
% Volatile by Volume:	N Av
Solubility in water (g/L):	Insoluble
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	N Av
Decomposition Point (°C):	N Av
pH:	N App
Viscosity:	N Av
Evaporation Rate:	N Av

10. STABILITY AND REACTIVITY

Chemical stability: Reacts with oxidising agents .

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:

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.

Eye contact: An eye irritant.

Skin contact: Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways).

Long Term Effects:

No information available for the product.

Toxicological Data:

No LD50 data available for the product. However, for constituent(s) Bisphenol A-epichlorhydrin resin (1):

Oral LD50 (rat): >2000 mg/kg
Dermal LD50 (rat): >2000 mg/kg

12. ECOLOGICAL INFORMATION

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Ecotoxicity

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

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; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

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

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

Xn: Harmful

Xi: Irritant

Risk Phrase(s): R20/22: Harmful by inhalation and if swallowed.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

Safety Phrase(s): S23: Do not breathe vapour/mist/aerosol.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Poisons Schedule: S5 Caution.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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16. OTHER INFORMATION

(1) Supplier Material Safety Data Sheet; 06/ 2002.

For further copies of this sheet or other product information contact Selleys Proprietary Limited Customer Service.

Phone: 1300 555 205 (Australia wide)

Fax: 1300 555 305 (Australia wide)

Phone: 9 820 4852 (New Zealand)

Fax: 0800 804 583 (New Zealand)

This material safety data sheet has been prepared by SH&E Shared Services, Orica.

Reason(s) for Issue:

Revised Primary MSDS

Change to Transport Information

Change in Physical Properties

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Orica Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Orica representative or Orica Limited at the contact details on page 1.

Orica Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

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