Material Safety Data Sheet

Infosafe No™ HXRL9	Issue Date : February 2010	ISSUED by BONDALL

Product Name **AQUATITE ELASTOMERIC WATERPROOFING MEMBRANE**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name AQUATITE ELASTOMERIC WATERPROOFING MEMBRANE

Product Code 21300, 21500, 21600.

Company Name BONDALL PTY LTD (ABN 27 008 734 996)

Address 113 Belmont Avenue
Belmont
WA 6104 Australia

Emergency Tel. 0400 705 773 or Poisons Information Centre: 13 11 26

Telephone/Fax Number Tel: (08) 6272 3800
Fax: (08) 9277 4068

Recommended Use To provide a waterproof exterior membrane for: limestone; concrete; stone; brick; clay tile; wood or cementitious substrates.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) R43 May cause sensitization by skin contact.

Safety Phrase(s) S23(3) Do not breathe spray.
S23(4) Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37 Wear suitable protective clothing and gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Blend of acrylic resin emulsions	Proprietary	>60 %
Propylene glycol	57-55-6	<10 %
2-(2-Butoxyethoxy)ethanol	112-34-5	<10 %
Ammonia, aqueous solution	1336-21-6	<0.5 %
1,2-Benzisothiazolin-3-one	2634-33-5	<0.1 %
2-n-Octyl-4-isothiazolin-3-one	26530-20-1	<0.1 %
Terbutryn	886-50-0	<0.1 %
2-Methyl-2H-isothiazolin-3-one	2682-20-4	<0.05 %
Other ingredients determined not to be hazardous, including water.		Balance

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the affected person to fresh air. Keep at rest and warm. If symptoms persist seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone 13 11 26 in Australia) or a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, water fog, foam, carbon dioxide and dry chemical powder.
Hazards from Combustion Products	Under fire conditions the product may emit toxic fumes including carbon monoxide and carbon dioxide as well as trace amounts of acrylic monomers, oxides of sulphur and oxides of nitrogen.
Specific Hazards	This product is not combustible. However, under fire conditions, following the evaporation of the aqueous component, the organic components may decompose and/or burn.
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes and products of combustion. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Slippery when spilled. Avoid accidents, clean up immediatley. Wear appropriate personal protective equipment and clothing to minimise exposure. If possible contain the spill, prevent run-off into drains and waterways. Place inert absorbent material onto spillage. Collect and place in labelled containers. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Disposal should be in accordance with the relevant local, state and federal government regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Use in designated areas with adequate ventilation. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. When using do not eat, drink or smoke. Prevent the creation of vapour or mist in the work atmosphere. Keep containers closed when not in use.

Conditions for Safe Storage

Store in a cool, dry well-ventilated area away from incompatible materials, such as strong acids and oxidizing agents. Protect from freezing. Keep the containers tightly sealed when not in use, and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC), Australia. However, over-exposure to some chemicals may result in adverse effects on health or aggravation of pre-existing medical conditions and/or allergic reactions and should be kept to the lowest possible levels.
The available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Propylene glycol					
vapour and particulates	150	474	-	-	-
particulates only	-	10	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
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

No biological limit allocated.

Engineering Controls

Use with good ventilation to keep the airborne concentrations as low as possible. Where vapours or mists are generated in a cofined space, a local exhaust ventilation system, drawing the vapours/mists away from workers' breathing zone, should be used.

Respiratory Protection

Normally not required, however if engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or goggles as appropriate should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with

	Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Use chemical resistant gloves, eg. laminated film or nitrile. Avoid gloves made of natural latex. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Cream or grey viscous liquid.
Odour	Sweetish odour.
Melting Point	0°C (Water)
Boiling Point	100°C (Water)
Solubility in Water	Miscible in all proportions.
Specific Gravity	0.95–0.99
pH Value	8.1
Vapour Pressure	17 mmHg at 20°C
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Viscosity	22,000-32,000 cP (RV#6/20rpm at 25°C)
Volatile Component	Organic Volatiles: 1% w/w approx.
Flash Point	Not applicable
Flammability	Non-combustible liquid.
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Oxidising agents and strong acids.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide as well as trace amounts of acrylic monomers, oxides of sulphur and oxides of nitrogen.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
Inhalation	Inhalation of product vapours in confined spaces may cause irritation of upper respiratory tract.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause sensitisation by skin contact. Extended contact may cause redness, itching and mild irritation.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available

Bioaccumulative Potential	Not available
Environ. Protection	Avoid contaminating waterways. Do not discharge the product into drains or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information	Road and Rail Transport: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code). 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

Regulatory Information	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	S5
Hazard Category	Irritant
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or otherwise are in compliance with NICNAS requirements.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: February 2010 Supersedes: April 2006
Contact Person/Point	Chemist: Tel No: (08) 9478 6005 Emergency: Tel No: 0400 705 773

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