

Material Safety Data Sheet

1. Product and Company Identification

Product Name: Aquabead Water Repellent
Trade Name: Aquabead
Revision Date: 30/4/2004
Company Name: Chemisys Ltd
Address: P. O. Box 40480
Glenfield
Auckland
New Zealand
Phone 09 4768603 Fax 09 4768605

Hazardous according to the criteria of Worksafe Australia

2. Composition/Information on Ingredients

Ingredients considered hazardous according to the criteria of Worksafe Australia:

Chemical Name	CAS #	Proportion
Alkoxy Silane	[proprietary]	<10%
Ethylene Glycol	[107-21-1]	<10%
Tall Oil Fatty Acid Triethanolamine Salt	[68132-46-7]	<10%

Ingredients determined not to be hazardous to 100%

3. Hazards Identification

Swallowed:

Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

Eye:

Direct eye contact may cause moderate irritation

Skin:

May cause moderate irritation. Repeated skin contact may cause allergic skin reaction

Inhaled:

Vapour may irritate nose and throat. Overexposure by inhalation may injure the liver. Vapour overexposure may cause drowsiness.

Comments:

When heated to temperatures above 150 degrees Celsius in the presence of air, product can form formaldehyde vapours. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitiser; and an irritant to the eyes, nose, throat skin and digestive system.

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

Ingestion:

DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.

Inhalation:

Remove victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Seek medical attention if ill effects persist.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.

Note to doctor:

Treat symptomatically.

5. Fire-Fighting Measures

Flash Point:	Not Applicable
Extinguisher Media:	On large fires use dry chemical, foam or water spray. On small fires use CO ₂ , dry chemical or water spray.
Unusual Fire and Explosion Hazards:	Reacts with strong oxidising materials
Special Protective Equipment:	Self contained breathing apparatus and protective clothing should be worn.
Combustion Products:	Carbon oxides, silicon dioxide, nitrogen oxides and formaldehyde.
Hazardous Polymerisation:	Will not occur
Stability:	Stable

6. Accidental Release Measures

Steps to be taken if material is released or spilled:

Wear appropriate protective clothing. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Collect free liquid into a recovery vessel. Absorb remainder with sand or clay and place in a properly labelled waste receptacle. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

Container Disposal:

DO NOT reuse container. Dispose of safely.

7. Handling and Storage

Handling:

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practises. Wash hands thoroughly after contact.

Storage:

Store in a cool, dry place out of reach of children. Store away from oxidising materials.

8. Exposure Controls/Personal Protection

Ventilation Requirements:

Good industrial hygiene practise dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

Respiratory Protection:

None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator.

Eye Protection:

If accidental eye contact is possible then wear goggles or a face visor.

Skin Protection:

Unnecessary skin contact should be avoided and good personal hygiene practises observed. If skin contact is anticipated then protective clothing including impervious gloves should be worn.

9. Physical and Chemical Properties

Appearance:	Milky white liquid
Odour:	Low Odour
VOC:	14 gm/L
Specific Gravity:	0.99 @ 20 degrees Celsius
Solubility in Water:	Complete
Flash Point:	Not Applicable

10. Stability and Reactivity

Stability:	Products of this type are stable and unlikely to react in a hazardous manner under normal conditions.
Incompatibility:	Oxidising Agents
Hazardous Decomposition Products:	Carbon oxides, silicon dioxide, nitrogen oxides and formaldehyde.
Hazardous Polymerisation:	Will not occur

11. Toxicological Data

Teratogens:	Ethylene Glycol [107-21-1]
Sensitisers	Tall Oil Fatty Acid Triethanolamine Salt [68132-46-7]

12. Ecological Information

NA

13. Disposal Considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.
Dispose of product and container responsibly and carefully.
Do not dispose of near waterways, down drains or into soil.

14. Transport Information

Not classified as hazardous for transport (ADG, UN, IATA/ICAO)

15. Regulatory Information

Australian Classifications:

UN Number:	NA
HAZCHEM Code:	NA
Dangerous Goods Class	NA
Packaging Group:	NA
EC Labelling:	S24, S25, S2: Avoid contact with eyes and skin. Keep out of reach of children

16. Other Information

Compiled by:

Chemisys Ltd

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Auckland
New Zealand

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Chemisys Group shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.