



SAFETY DATA SHEET

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AQUATECH WOOD PRESERVATIVES - DUAL

Revision 0
Revision date 24-Feb-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name AQUATECH WOOD PRESERVATIVES - DUAL
Company Wykamol Group Limited
Unit 3, Boran Court
Network 65 Business Park
Hapton, Burnley
Lancashire. BB11 5TH
sales@wykamol.com www.wykamol.com
Telephone 0845 400 6666
Emergency telephone number 0845 400 6666

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2-(2-Butoxyethoxy)ethanol	10 - 20%	112-34-5	203-961-6	Xi; R36
(2-(2-Butoxyethoxy) ethanol)				
Permethrin (ISO)	1 - 10%	52645-53-1	258-067-9	Xn; R20/22 R43 N; R50/53
Propiconazole	20 - 30%	60207-90-1	262-104-4	Xn; R22 R43 N; R50/53
3-iodo-2-propynyl butylcarbamate	1 - 10%	55406-53-6	259-627-5	Xn; R20/22 Xi; R41 N; R50
Sodium Di-2-Ethylhexyl Sulphosuccinate	1 - 10%	577-11-7	204-007-1	Xi; R38-41 R10
Polyaryl Ethoxylate	10 - 20%			Xi; R36 N; R51/53
1,3,5-Trimethylbenzene	0 - 0.5%	108-67-8	203-604-4	R10 Xi; R37 N; R51/53
1,2,4-Trimethylbenzene	0.5 - 1%	95-63-6	202-436-9	R10 Xn; R20 Xi; R36/37/38 N; R51/53

3. HAZARDS IDENTIFICATION

Main hazards Harmful if swallowed. Irritating to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon oxides.
Fire hazards	Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Store concentrated and diluted solution safely in frost free conditions away from direct sunlight, sources of heat and foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

2-(2-Butoxyethoxy)ethanol
(2-(2-Butoxyethoxy) ethanol)

WEL 8-hr limit ppm: 10
WEL 15 min limit ppm: 15

WEL 8-hr limit mg/m3: 67.5
WEL 15 min limit mg/m3: 101.2

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Yellow.
Odour	Mild.
pH	7 - 9
Flash point	> 100°C
Flammability limits	Non flammable
Relative density	1.08 - 1.15
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Extremes of temperature.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

2-(2-Butoxyethoxy)ethanol	Oral Rat LD50 = > 2000 mg/kg Dermal Rabbit LD50 = > 2000 mg/kg
Permethrin (ISO)	Oral Mouse LD50 = 424 mg/kg Dermal Rat LD50 = 1750 mg/kg Oral Rat LD50 = 383 mg/kg
Propiconazole	Dermal Rat LD50 = >2000 mg/kg Oral Rat LD50 = 1517 mg/kg
3-iodo-2-propynyl butylcarbamate	Oral Rat LD50 = 1470 mg/l Dermal Rabbit LD50 = >2000 mg/l

Acute toxicity May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity

2-(2-Butoxyethoxy)ethanol	Daphnia EC50/48h = > 100 mg/l Algae IC50/72h = > 100 mg/l Fish LC50/96h = > 100 mg/l
Permethrin (ISO)	Daphnia EC50/48h = 0.6 mg/l Rainbow trout LC50/96h = 2.5 ug/l Bluegill sunfish LC50/96h = 1.8 ug/l
3-iodo-2-propynyl butylcarbamate	Algae EC50/72h = 0.022 mg/l Daphnia EC50/48h = 0.16 mg/l

Further information This product must not enter water discharge system. Inform appropriate authority if large spillage enters drains.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
Disposal methods	Contact a licensed waste disposal company. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Disposal of packaging	Do NOT reuse empty containers.

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UN 3082	Packing group III
Class 9	Hazard ID 90
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, .

IMDG

UN 3082	Packing group III
Class 9	Marine pollutant .
EmS Code	F-A S-F

IATA

UN 3082	Packing group III
Class 9	Subsidiary risk -
Packing Instruction 914 (Cargo)	Maximum quantity 450 L
Packing Instruction 914 (Passenger)	Maximum quantity 450 L

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols Xn - Harmful; N - Dangerous for the environment



Risk phrases

- R22 - Harmful if swallowed.
- R36 - Irritating to eyes.
- R43 - May cause sensitisation by skin contact.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

- S24 - Avoid contact with skin.
- S29 - Do not empty into drains.
- S37 - Wear suitable gloves.

Further information Use only in accordance with Statutory Precautions given under the Control of Pesticides Regulations 1986. HSE No. 7991. FOR USE ONLY AS A WOOD PRESERVATIVE BY PROFESSIONAL OPERATIVES.

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16. OTHER INFORMATION

Text of risk phrases in Section 2

R10 - Flammable.
R20 - Harmful by inhalation.
R20/22 - Harmful by inhalation and if swallowed.
R22 - Harmful if swallowed.
R36 - Irritating to eyes.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.