



SAFETY DATA SHEET

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MICROTECH BIOCIDES

Revision 2
Revision date 26-Aug-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name MICROTECH BIOCIDES
Company Wykamol Group Limited
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Lancashire. BB11 5TH
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Sodium hydroxide	1-10%	1310-73-2	215-185-5	C; R35
Marlon AS3	1-10%	85536-14-7	287-494-3	C; R34 Xn; R22
3-iodo-2-propynyl butylcarbamate	1-10%	55406-53-6	259-627-5	Xn; R20/22 Xi; R41 N; R50
1,3,5-Trimethylbenzene	1-10%	108-67-8	203-604-4	R10 Xi; R37 N; R51/53
Propylbenzene	0-0.5%	103-65-1	203-132-9	R10 Xn; R65 Xi; R37 N; R51/53
1,2,4-Trimethylbenzene	1-10%	95-63-6	202-436-9	R10 Xn; R20 Xi; R36/37/38 N; R51/53

3. HAZARDS IDENTIFICATION

Main hazards Causes burns. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
Inhalation Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Ingestion Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO2), dry chemical, foam.
Fire hazards Corrosive. Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear suitable respiratory equipment when necessary.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe 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. 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.
Storage	Protect concentrate and dilute solution from extremes of temperature (Store at 5° - 25° C). Keep away from food, drink and animal feeding stuffs. Keep out of reach of children

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Sodium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Self-contained breathing apparatus.
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	Clear.
Odour	Mild.
pH	4.0 - 4.5
Boiling point	Ca. 90°C
Flammability limits	Non flammable
Relative density	1.005 - 1.02
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Temperatures in excess of 40°C.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

Sodium hydroxide	Oral Mouse LD50 = 40 mg/l
Marlon AS3	Oral Rat LD50 = 200 - 2000 mg/l
3-iodo-2-propynyl butylcarbamate	Oral Rat LD50 = 1470 mg/l Dermal Rabbit LD50 = >2000 mg/l

Corrosivity Causes burns.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Marlon AS3	Algae EC50/72h = 10 - 100 mg/l Daphnia EC50/48h = 1 - 10 mg/l Fish LC50/96h = 1 - 10 mg/l
3-iodo-2-propynyl butylcarbamate	Algae EC50/72h = 0.022 mg/l Daphnia EC50/48h = 0.16 mg/l

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	Empty containers can be sent for disposal or recycling.

14. TRANSPORT INFORMATION

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 C - Corrosive



Risk phrases R34 - Causes burns.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases 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 water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Further information Use only in accordance with Statutory Precautions given under the Control of Pesticides Regulations 1986. HSE No. 7361. Professional use only. FOR USE ONLY AS A SURFACE BIOCIDES.

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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.
R34 - Causes burns.
R35 - Causes severe burns.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R37 - Irritating to respiratory system.
R41 - Risk of serious damage to eyes.
R50 - Very toxic to aquatic organisms.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful: may cause lung damage if swallowed.

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.