



SAFETY DATA SHEET

MCS 3 FUNGICIDAL ADDITIVE

Revision 0
Revision date 26-Feb-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name MCS 3 FUNGICIDAL ADDITIVE
Company Wykamol Group Limited
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Hapton, Burnley
Lancashire. BB11 5TH
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Telephone 0845 400 6666
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2-(2-Butoxyethoxy)ethanol (2-(2-Butoxyethoxy) ethanol)	80 - 90%	112-34-5	203-961-6	Xi; R36
3-iodo-2-propynyl butylcarbamate	10 - 20%	55406-53-6	259-627-5	Xn; R20/22 Xi; R41 N; R50

3. HAZARDS IDENTIFICATION

Main hazards Risk of serious damage to eyes.

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.

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.

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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	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

2-(2-Butoxyethoxy)ethanol	WEL 8-hr limit ppm: 10	WEL 8-hr limit mg/m ³ : 67.5
(2-(2-Butoxyethoxy) ethanol)	WEL 15 min limit ppm: 15	WEL 15 min limit mg/m ³ : 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	Clear.
Odour	Mild.
Boiling point	Ca. 90°C
Flammability limits	Non flammable
Relative density	0.97 - 0.99
Water solubility	miscible in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
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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
3-iodo-2-propynyl butylcarbamate	Oral Rat LD50 = 1470 mg/l Dermal Rabbit LD50 = >2000 mg/l

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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
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.
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15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC.
Symbols	Xi - Irritant 
Risk phrases	R41 - Risk of serious damage to eyes.
Safety phrases	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 - Wear eye/face protection.

16. OTHER INFORMATION

Text of risk phrases in Section 2	R20/22 - Harmful by inhalation and if swallowed. R36 - Irritating to eyes. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms.
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.