

SDS Reference CAT114
Version No. 1
Revision Date
Authorisation Date 5TH OCTOBER 2005

Safety Data Sheet



MYSTOX DMK CONC.

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name MYSTOX DMK CONC.
Use(s) Insect resist treatment for wool
Company Identification CATOMANCE TECHNOLOGIES LIMITED
4 CAXTON PLACE
STEVENAGE
HERTS SG1 2UF
Telephone: 01438 360747 (24 hours)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS/GLYCOL PREPARATION CONTAINING SURFACTANTS AND ADDITIVES

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
2-(2-BUTOXYETHOXY) ETHANOL	112-34-5	203-961-6	Xi: R36	20-40%
4-BROMO-2-(4-CHLOROPHENYL)-1-ETHOXYMETHYL-5-TRIFLUOROMETHYLPYRROLE-3-CARBONITRILE (CHLORFENAPYR)	122453-73-0	NOT ASSIGNED	T: R23 N: R22 N: R50, 53	3-4%
NONYL PHENOL ETHOXYLATE PROPOXYLATE	68891-11-2	NOT ASSIGNED	R52/53	10-15%
FATTY ALCOHOL ETHOXYLATE WITH 6 ETHYLENE OXIDE	NOT ASSIGNED	NOT ASSIGNED	Xn: R22 Xi: R36/38	5-15%

3. HAZARDS IDENTIFICATION



IRRITANT



DANGEROUS
FOR THE
ENVIRONMENT

Physical & Chemical:

Health: IRRITATING TO EYES

Environmental: VERY TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (See section 16)

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4. FIRST AID MEASURES

General information

Inhalation	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
Skin contact	Wash contaminated skin with soap and large quantities of water. If necessary, seek medical advice.
Eye contact	Immediately wash eyes thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
Ingestion	Allow the patient to vomit on his own accord. Give copious water to drink; if necessary seek medical advice
Further information	

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
Extinguishing media not to be used	
Special exposure hazards	The thermal decomposition products released should be considered toxic if inhaled.
Protective equipment	Wear self-contained breathing apparatus.
Further information	Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.
Environmental considerations	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.
Further information	

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available. LTEL (8 hour TWA): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area
Personal protection	Observe normal standards for handling chemicals. Avoid contact with eyes and inhalation Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles ((e.g. EN 166)
Skin protection	Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator if ventilation is judged to be insufficient.
Other protection	Protective overalls.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Clear free flowing liquid
Colour	Amber
Odour	Characteristic
pH	7-8
Boiling pt / range	From 100 °C
Melting pt / range	°C
Flash point	Not applicable. °C
Autoflammability	°C
Density	1.0 g/cm ³
Explosive limits	Lower: 1.3 % (v/v) Higher: 9.4 % (v/v) (data for 2-(2-butoxyethoxy) ethanol)
Viscosity	
Water solubility	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	The product is incompatible with strong acids and alkalies and oxidising agents.
Hazardous reactions	None known.
Hazardous decomposition products	

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	> 5000	mg/kg	Data for 2-(2-butoxyethoxy) ethanol
	LC ₅₀ rat (inhal)	0.8-2.7	mg/kg	Data for chlorfenapyr (4 hours)
Dermal compatibility	No data available			
Mucous membrane compatibility	No data available			
Further information				

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish (rainbow trout)	7	µg/l	Data for chlorfenapyr (96 h)
	EC ₅₀	Daphnia magna	6	µg/l	Data for chlorfenapyr (48 h)
	EC ₅₀	Algae	132	µg/l	Data for chlorfenapyr (72 h)
Degradability	No data available				
Further information	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.				

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	UN 3082
Packaging group	III
IMDG code	9/3082/III
RID / ADR	9, III
ICAO / IATA	9/3082/III
Marine pollutant	The product SHOULD be marked as a marine pollutant.
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORFENAPYR)
Emergency action code	2X
Further information	

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15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1]



IRRITANT



**DANGEROUS
FOR THE
ENVIRONMENT**

Risk phrases	R36 R50/53	IRRITATING TO EYES. VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
Safety phrases	S26 S39 S60 S61	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR EYE/FACE PROTECTION THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

16. OTHER INFORMATION

Further information The product is classified for supply as very toxic to the aquatic environment due to the very low LC₅₀ values for aquatic organisms. The classification of R20 (Harmful by inhalation) has not been assigned since this applies to the solid material and is not considered to apply to the liquid product; however avoid inhalation of any vapour, mist or aerosol.

Sources of data Other suppliers' safety data sheets

Risk phrases referred to in section 2

R22: Harmful if swallowed.
R23: Toxic by inhalation
R36: Irritating to eyes
R38: Irritating to skin
R50: Very toxic to aquatic organisms
R52: Harmful to aquatic organisms
R53: May cause long-term adverse effects in the aquatic environment.

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This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Prepared by Rising HS&E Services