

SDS Reference CAT116
Version No. 1
Revision Date

Safety Data Sheet

catomance
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Authorisation Date 14TH NOVEMBER 2005

MYSTOX CTB-DOP

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name MYSTOX CTB-DOP
Use(s) Antimicrobial for textile polymer coatings
Company Identification MURPHY AND SON LIMITED
ALPINE STREET, OLD BASFORD
NOTTINGHAM
NG6 0HQ, UNITED KINGDOM
Telephone: 01462 457186
Emergency telephone: 01462 457186 (24hrs)
SDS Competent person: trevor@rising-hsande.co.uk

2. HAZARDS IDENTIFICATION



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Physical & Chemical: NON HAZARDOUS
Health: MAY IMPAIR FERTILITY
MAY CAUSE HARM TO THE UNBORN CHILD.
MAY CAUSE SENSITISATION BY SKIN CONTACT
Environmental: TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation BLEND OF ORGANIC SUBSTANCES

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
BIS-(2-ETHYLHEXYL) PHTHALATE	117-81-7	204-211-0	Repr Cat 2: R60, 61	85-95%
(±)-1-((2-(2,4-DICHLOROPHENYL)-4-PROPYL-1,3-DIOXOLAN-2-YL)-METHYL)-1H-1,2,4-TRIAZOLE	60207-90-1	262-104-4	Xn: R22 Xi: R43 N: R50, 53	3-5%
CARBAMIC ACID, BUTYL-, 3-iodo-2-propynyl ester	55406-53-6	259-627-5	Xn: R20/22 Xi: R41 N: R50	3-5%

4. FIRST AID MEASURES

General information Remove contaminated clothing immediately, to be disposed of or washed before reuse.
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 Wash eyes thoroughly with plenty of water until irritation subsides. If 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.

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. carbon dioxide, foam or chemical powder)
Extinguishing media not to be used	Water jet
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.

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, and away from sources of ignition and direct sunlight.
Further information	Keep away from incompatible substances (e.g. oxidising agents)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2005) LTEL (8 hour TWA): ppm 5 mg/m ³ WEL for bis-(2-ethylhexyl) phthalate STEL (15 minutes): ppm 10 mg/m ³ WEL for bis-(2-ethylhexyl) phthalate
Engineering controls	Ensure adequate ventilation of working area
Personal protection	Observe normal standards for handling chemicals. Your risk assessment should take account of its toxic effect for reproduction. As a precaution, it is recommended that those with a medical history of sensitisation should not handle this product. Avoid contact with skin and eyes. 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	PVC or rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator if appropriate.
Other protection	Protective overalls, antistatic footwear.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Clear free flowing liquid
Colour	Amber
Odour	Odourless
pH	Not applicable.
Boiling pt / range	From 230 °C
Melting pt / range	From -48 °C
Flash point	Approx. 200 °C Data for the phthalate
Autoflammability	370 °C Data for the phthalate
Density	1.0 g/cm ³
Explosive limits	Lower: 0.15 % (v/v) Higher: 0.18 % (v/v) Data for the phthalate
Viscosity	Not determined.
Vapour pressure	Not determined
Water solubility	Insoluble

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	None known.
Material to avoid	Oxidising agents
Hazardous reactions	None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	30000 mg/kg	Data for the phthalate
	LD ₅₀ rat (derm)	24500 mg/kg	Data for the phthalate
Dermal compatibility	No data available.		
Mucous membrane compatibility	No data available.		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ Fish	5.3 mg/l	96 hours (triazole)
	EC ₅₀ Daphnia magna	10.2 mg/l	48 hours (triazole)
	EC ₅₀ Algae (S subspicatus)	0.76 mg/l	72 hours (triazole)
	LC ₅₀ Fish	>0.67 mg/l	96 hours (data for the phthalate)
	EC ₅₀ Daphnia	>0.16 mg/l	48 hours (data for the phthalate)
Degradability	The phthalate is readily degradable, but has high bioaccumulation (LogP _{o/w} : 7.5)		

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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

Marine pollutant The product should not be marked as a marine pollutant

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((±)-1-((2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl)-1h-1,2,4- triazole)

15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1] Contains bis-(2-ethylhexyl) phthalate; (±)-1-((2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl)-1h-1,2,4- triazole
Restricted to Professional Users



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FOR THE
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Risk phrases

R60	MAY IMPAIR FERTILITY
R61	MAY CAUSE HARM TO THE UNBORN CHILD.
R43	MAY CAUSE SENSITISATION BY SKIN CONTACT
R51/53	TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Safety phrases

S53	AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S60	THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. .
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

Comply with the Control of Substances Hazardous to Health Regulations (COSHH) as amended.

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16. OTHER INFORMATION

Further information The SDS has been revised in the following sections: 1; 2; 3;

Sources of data Approved Supply List, Approved Carriage List, and other suppliers' safety data sheets

Risk phrases referred to in section 3

R20: Harmful by inhalation
R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact
R50: Very toxic to aquatic organisms
R53: May cause long-term adverse effects in the aquatic environment.
R60: May impair fertility
R61: May cause harm to the unborn child.

Date of issue 05-08-2008

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