

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: MYSTOX MP

Product code: CAT_MP

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Insecticide for wool fibre

1.3. Details of the supplier of the safety data sheet

Company name: Catomance part of Murphy and Son Ltd

Alpine Street

Nottingham

Nottinghamshire

NG6 0HQ

United Kingdom

Tel: 01462 457186

Email: catomance@murphyandson.co.uk

1.4. Emergency telephone number

Emergency tel: +44 1462 457186

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319

Most important adverse effects: Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental

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Precautionary statements: P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330: Rinse mouth.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL - REACH registered number(s): 01-2119475104-44-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-961-6	112-34-5	-	Eye Irrit. 2: H319	10-30%

ALCOHOL ETHOXYLATE PROPOXYLATE

-	-	-	Aquatic Chronic 4: H413	10-30%
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ALCOHOLS C9-11 6-MOLE ETHOXYLATE

-	68439-46-3	-	Acute Tox. 4: H302; Eye Irrit. 2: H319	1-10%
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4-BROMO-(4-CHLOROPHENYL)-1-ETHOXYMETHYL-5-TRIFLUOROMETHYLPYRROLE-3-CARBONITRILE

-	122453-73-0	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Acute Tox. 2: H330; Acute Tox. 4: H302	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

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7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	10mg/m ³	-	-	-

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m ³	101.2 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow-gold

Odour: Characteristic odour

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Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.0 g/cm³

pH: 7-8

VOC g/l: No data available.

9.2. Other information

Other information: Explosive limits Low: 1.3% v/v, Higher 9.4% v/v (data for 2-(2-butoxyethoxy) ethanol)

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RAT	LD50	>2000	mg/kg
DUST/MIST	RAT	LC50	>11	mg/l

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ORAL	RAT	LD50	>300 <2000	mg/kg
INHALATION	RAT (Female)	4H LC50	>2.7 (Chlorfenapyr)	mg/l
INHALATION	RAT (Male)	4H LC50	0.83 (Chlorfenapyr)	mg/l
ORAL	RAT (Female)	LD50	1152 (Chlorfenapyr)	mg/kg
ORAL	RAT (Male)	LD50	441 (Chlorfenapyr)	mg/kg

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

DERMAL	RBT	LD50	>2000	mg/kg
ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	>2000	mg/kg

4-BROMO-(4-CHLOROPHENYL)-1-ETHOXYMETHYL-5-TRIFLUOROMETHYLPYRROLE-3-CARBONITRILE

DERMAL	RAT	LD50	>2000	mg/kg
INHALATION	RAT (Female)	4H LC50	>2.7	mg/l
INHALATION	RAT (Male)	4H LC50	0.83	mg/l
ORAL	RAT (Female)	LD50	1152	mg/kg
ORAL	RAT (Male)	LD50	441	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

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Ecotoxicity values:

Species	Test	Value	Units
Fish	96H LC50	1 - 10	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	48H EC50	100	mg/l
Daphnia magna	48H EC50	100	mg/l
MARINE ALGAE (<i>Skeletonema costatum</i>) 72h	EL50	7.9	mg/l
DAPHNIA (Copepod <i>Acartia tonsa</i> : 48H)	LL50	2.5	mg/l
MARINE ALGAE (<i>Skeletonema costatum</i>)	72H EC50 (Chlorfenap)	0.132	mg/l
Daphnia magna	48H EC50 (Chlorfenap)	0.006	mg/l
FISH	96H LC50 (Chlorfenap)	0.007	mg/l

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Daphnia magna	48H EC50	100	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	48H EC50	100	mg/l

4-BROMO-(4-CHLOROPHENYL)-1-ETHOXYMETHYL-5-TRIFLUOROMETHYLPYRROLE-3-CARBONITRILE

Daphnia magna	48H EC50	0.006	mg/l
FISH	96H LC50	0.007	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H EC50	0.132	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(chlorphenapyr)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H413: May cause long lasting harmful effects to aquatic life.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive

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and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.