SAFETY DATA SHEET
MYSTOX CMP

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

1.1. Product identifier

Product name: MYSTOX CMP
Product code: CAT_CMP

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 CHIP: Xi: R36; Sens.: R43; N: R50/53
Classification under CLP: Acute Tox. 4: H302+312; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Sens. 1: H317

Most important adverse effects: Irritating to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements under CLP:
Hazard statements: H302+312: Harmful if swallowed or in contact with skin.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

[cont...]
SAFETY DATA SHEET
MYSTOX CMP

Signal words: Danger
Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS09: Environmental

Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.
P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP:

Hazard symbols: Irritant.
Dangerous for the environment.

Risk phrases: R36: Irritating to eyes.
R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24: Avoid contact with skin.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-961-6</td>
<td>112-34-5</td>
<td>Xi: R36</td>
<td>Eye Irrit. 2: H319</td>
<td>50-70%</td>
</tr>
</tbody>
</table>

[cont...]
M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

258-067-9 52645-53-1 Xn: R20/22; Sens.: R43; N: R50/53 Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400

10-30%

C9-11 ALCOHOL ETHOXYLATE WITH 9MEO

- - Xn: R22; Xi: R41 Acute Tox. 4: H302; Eye Dam. 1: H318 1-10%

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.

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

(cont...)
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

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 cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

**Specific end use(s):** Insecticide for wool fibre

Section 8: Exposure controls/personal protection

8.1. Control parameters

**Hazardous ingredients:**

2-(2-BUTOXYETHOXY)ETHANOL

<table>
<thead>
<tr>
<th>Workplace exposure limits:</th>
<th>Respirable dust</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>8 hour TWA</td>
</tr>
<tr>
<td>UK</td>
<td>67.5 mg/m³</td>
</tr>
</tbody>
</table>

**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:** Colourless
- **Odour:** Perceptible odour
- **Evaporation rate:** No data available.
- **Oxidising:** No data available.
- **Solubility in water:** No data available.
- **Viscosity:** No data available.
- **Boiling point/range°C:** 100
- **Melting point/range°C:** No data available.
- **Flammability limits %: lower:** Not applicable.
- **Flash point°C:** Not applicable.
- **Autoflammability°C:** Not applicable.
- **Relative density:** No data available.
- **VOC g/l:** No data available.
- **Part.coeff. n-octanol/water:** No data available.
- **Vapour pressure:** No data available.
- **pH:** Not Determined

#### 9.2. Other information

**Other information:** No data available.

### 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. dep. products:** In combustion emits toxic fumes.
Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL</td>
<td>MUS</td>
<td>LD50</td>
<td>424</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORAL</td>
<td>RAT</td>
<td>LD50</td>
<td>383</td>
<td>mg/kg</td>
</tr>
<tr>
<td>DERMAL</td>
<td>RAT</td>
<td>LD50</td>
<td>1750</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DERMAL</td>
<td>RBT</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>LD50</td>
<td>6050</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANE CARBOXYLATE

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>LD50</td>
<td>424</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>LD50</td>
<td>383</td>
<td>mg/kg</td>
</tr>
<tr>
<td>SKN</td>
<td>RAT</td>
<td>LD50</td>
<td>1750</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

C9-11 ALCOHOL ETHOXYLATE WITH 9MEO

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL</td>
<td>RAT</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

Relevant effects for mixture:

<table>
<thead>
<tr>
<th>Effect</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritation</td>
<td>OPT</td>
<td>Hazardous: calculated</td>
</tr>
<tr>
<td>Sensitisation</td>
<td>DRM</td>
<td>Hazardous: calculated</td>
</tr>
</tbody>
</table>

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
SAFETY DATA SHEET
MYSTOX CMP

Ecotoxicity values:

<table>
<thead>
<tr>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FISH (Salmo Salar - Atlantic Salmon)</td>
<td>96H LC50</td>
<td>0.009</td>
<td>ml/l</td>
</tr>
<tr>
<td>FISH (Pimephales Promelas Fathead Minnow)</td>
<td>96H LC50</td>
<td>0.016</td>
<td>mg/l</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>48H EC50</td>
<td>0.32</td>
<td>µg/l</td>
</tr>
<tr>
<td>MARINE ALGAE (Skeletonema costatum)</td>
<td>48H EC50</td>
<td>0.068</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

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<tr>
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<th>Value</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna</td>
<td>48H EC50</td>
<td>100</td>
<td>mg/l</td>
</tr>
<tr>
<td>GREEN ALGA (Selenastrum capricornutum)</td>
<td>48H EC50</td>
<td>100</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

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C9-11 ALCOHOL ETHOXYLATE WITH 9MEO

<table>
<thead>
<tr>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FISH</td>
<td>96H LC50</td>
<td>1 - 10</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

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.

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

Page: 7

[cont...]

Murphy and Son Ltd
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.
(M-PHENOXYBENZYL 3- (2,2-DICHLROVINYL) -2,2-
DIMETHYLCYCLOPROPANE CARBOXYLATE)

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: 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.
H302+312: Harmful if swallowed or in contact with skin.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.

[cont...]
SAFETY DATA SHEET
MYSTOX CMP

H410: Very toxic to aquatic life with long lasting effects.
R20/22: Harmful by inhalation and if swallowed.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legend to abbreviations:
PNEC = predicted no effect concentration
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
LDLO = lethal dose low
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular/corneal
OPT = optical
INH = inhalation
PCP = physico-chemical properties

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