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

1.1. **Product identifier**
- **Product name:** MYSTOX WFA
- **Product code:** CAT_WFA

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
- **Use of substance / mixture:** Biocide for protection of textiles and leather

1.3. **Details of the supplier of the safety data sheet**
- **Company name:** Catomance Technologies, part of Murphy and Son Ltd
  - Murphy & Son Ltd
  - Alpine St, Old Basford
  - Nottingham
  - NG6 0HQ
  - United Kingdom
- **Tel:** (+44) 1462 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:** Eye Dam. 1: H318; Skin Irrit. 2: H315
- **Most important adverse effects:** Causes skin irritation. Causes serious eye damage.

2.2. **Label elements**
- **Label elements under CLP:**
  - **Hazard statements:** H315: Causes skin irritation.
    - H318: Causes serious eye damage.
  - **Hazard pictograms:** GHS05: Corrosion
  - **Signal words:** Danger
  - **Precautionary statements:** P264: Wash skin thoroughly after handling.
    - P280: Wear protective gloves/protective clothing/eye protection/face protection.
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-PHENYLPHENOL (ISO) - REACH registered number(s): 01-211951183-53-XXXX

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>PBT / WEL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-993-5</td>
<td>90-43-7</td>
<td>-</td>
<td>Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Acute 1: H400</td>
<td>10-30%</td>
</tr>
</tbody>
</table>

ALCOHOL C13 +8EO

| -       | 9043-30-5 | -         | Acute Tox. 4: H302; Eye Dam. 1: H318                        | 1-10%   |

SODIUM HYDROXIDE - REACH registered number(s): 01-2119457892-27-XXXX

| 215-185-5 | 1310-73-2 | -         | Skin Corr. 1A: H314                                       | 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. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one’s own safety whilst doing so.

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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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. 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.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

[cont...]
8.1. Control parameters

Hazardous ingredients:

SODIUM HYDROXIDE

Workplace exposure limits:

<table>
<thead>
<tr>
<th>State</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK</td>
<td>-</td>
<td>2 mg/m³</td>
<td>-</td>
<td>-</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.

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

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. 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: Brown

Odour: Odourless

Solubility in water: Miscible

Boiling point/range°C: 100

Relative density: 1.1

pH: 10

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.

[cont...]

[31x586]DNEL / PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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[cont...]
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:

<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>2980</td>
<td>mg/kg</td>
</tr>
<tr>
<td>DERMAL</td>
<td>RAT</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
<tr>
<td>VAPOURS</td>
<td>RAT</td>
<td>4H LC50</td>
<td>&gt;36</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

Hazardous ingredients:

2-PHENYLPHENOL (ISO)

<table>
<thead>
<tr>
<th>ORL</th>
<th>MUS</th>
<th>LD50</th>
<th>1050</th>
<th>mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>LD50</td>
<td>2700</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

SODIUM HYDROXIDE

<table>
<thead>
<tr>
<th>IPR</th>
<th>MUS</th>
<th>LD50</th>
<th>40</th>
<th>mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>RBT</td>
<td>LDLO</td>
<td>500</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

Relevant hazards for substance:

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>DRM</td>
<td>Hazardous: calculated</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>OPT</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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

[cont...]
Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

<table>
<thead>
<tr>
<th>Species</th>
<th>Test</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna</td>
<td>48H EC50</td>
<td>2.7</td>
<td>mg/l</td>
</tr>
<tr>
<td>ALGAE</td>
<td>72H ErC50</td>
<td>1.35</td>
<td>mg/l</td>
</tr>
<tr>
<td>RAINBOW TROUT (Oncorhynchus mykiss)</td>
<td>96H LC50</td>
<td>4</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No 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: Negligible ecotoxicity.

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.

Section 14: Transport information

14.1. UN number

UN number: UN3266

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

14.3. Transport hazard class(es)

Transport class: 8

[cont...]
14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No  Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.
Tunnel code: E
Transport category: 1

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

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.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.

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.