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

1.1. Product identifier

**Product name:** WOODZONE DUAL PURPOSE F/I CONCENTRATE

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

**Use of substance / mixture:** Wood preservative biocide

1.3. Details of the supplier of the safety data sheet

**Company name:** Kingfisher Building Products Ltd
Cooper Lane
Ulverston
Cumbria
LA12 9RA
UK

**Tel:** +44(0) 1229869100
**Fax:** +44(0) 1229869101
**Email:** technical@kingfisheruk.com

1.4. Emergency telephone number

**Emergency tel:** +44(0) 1229869100

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 Dam. 1: H318
- Skin Sens. 1: H317

**Classification under CHIP:**
- Xn: R20/22
- Xi: R41
- Sens.: R43
- N: R50/53

**Most important adverse effects:**
- Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.
- Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

**Label elements under CLP:**

**Hazard statements:**
- H302: Harmful if swallowed.
- 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.

**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.  
P310: Immediately call a POISON CENTER or doctor.  
P321: Specific treatment (see instructions on this label).  
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:

**PROPICONAZOLE**

<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>262-104-4</td>
<td>60207-90-1</td>
<td>-</td>
<td>Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400</td>
<td>10-30%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Tox. 4: H302; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>52645-53-1</td>
<td>258-067-9</td>
<td>10-30%</td>
</tr>
</tbody>
</table>

**2-(2-BUTOXYETHOXY)ETHANOL**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Tox. 4: H302; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>112-34-5</td>
<td>203-961-6</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

**3-LODO-2-PROPYNYL BUTYLCARBAMATE**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Tox. 4: H302; Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; Skin Sens. 1: H317; STOT SE 3: H335</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>55406-53-6</td>
<td>259-627-5</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

**SODIUMALKYL (C10-C14) BENZENESULPHONATE**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Tox. 4: H302; Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; Skin Sens. 1: H317; STOT SE 3: H335</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>85117-50-6</td>
<td>-</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

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. 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. Nausea and stomach pain may occur. There may be vomiting.

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: Not applicable.

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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.
SAFETY DATA SHEET
WOODZONE DUAL PURPOSE F/I
CONCENTRATE

6.3. Methods and material for containment and cleaning up

Clean-up procedures: 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. Refer to section 13 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): PC8: Biocidal products (e.g. Disinfectants, pest control).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits / OELV: Respirable dust

<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 / IRE</td>
<td>67.5 mg/m3</td>
<td>101.2 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Respiratory protective device with particle filter. Particle filter class P3S (EN143).

Hand protection: Protective gloves.

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

Skin protection: Protective clothing.

Environmental: The floor of the storage room must be impermeable to prevent the escape of liquids. Refer to specific Member State legislation for requirements under Community environmental legislation.

[cont...]
### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour:</td>
<td>Gold-brown</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic odour</td>
</tr>
<tr>
<td>Oxidising:</td>
<td>Non-oxidising (by EC criteria)</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Highly soluble</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Viscous</td>
</tr>
<tr>
<td>Boiling point/°C:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Melting point/°C:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability limits %:</td>
<td>No data available.</td>
</tr>
<tr>
<td>lower:</td>
<td>No data available.</td>
</tr>
<tr>
<td>upper:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flash point/°C:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Part.coef. n-octanol/water:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Autoflammability°C:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH:</td>
<td>No data available.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>&gt;2</td>
</tr>
<tr>
<td>VOC g/l:</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

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

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

[cont...]
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WOODZONE DUAL PURPOSE F/I
CONCENTRATE

Hazardous ingredients:

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>424</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>383</td>
<td>mg/kg</td>
</tr>
<tr>
<td>SKN</td>
<td>RAT</td>
<td>1750</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

2-(2-BUTOXYETHOXY)ETHANOL

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>LD50</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>6050</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>4500</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>Acute toxicity (harmful)</td>
<td>INH ING</td>
<td>Hazardous: calculated</td>
</tr>
<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. Nausea and stomach pain may occur. There may be vomiting.
- **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.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

3-LODO-2-PROPYNYL BUTYLCARBAMATE

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEGILL (Lepomis macrochirus)</td>
<td>96H LC50</td>
<td>0.23</td>
<td>mg/l</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>48H EC50</td>
<td>0.16</td>
<td>mg/l</td>
</tr>
<tr>
<td>GREEN ALGA (Selenastrum capricornutum)</td>
<td>72H ErC50</td>
<td>0.053</td>
<td>mg/l</td>
</tr>
<tr>
<td>RAINBOW TROUT (Oncorhynchus mykiss)</td>
<td>96H LC50</td>
<td>0.067</td>
<td>mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

[cont...]

Page: 6
12.4. Mobility in soil

Mobility: Soluble in water.

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: Very toxic to aquatic 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.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

Specific regulations: This product is a Seveso category/named substance in Annex I of Council Directive 96/82/EC.

[cont...]
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

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+332: Harmful if swallowed or if inhaled.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
R20/22: Harmful by inhalation and if swallowed.
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 level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
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
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PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular
PCP = phycico-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.