1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Fomtec MB-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article no:</td>
<td>11-3010-XX</td>
</tr>
<tr>
<td>Importer / Supplier:</td>
<td>Fire Protection Technologies</td>
</tr>
<tr>
<td>Address</td>
<td>Unit 1/251 Ferntree Gully Road</td>
</tr>
<tr>
<td></td>
<td>Mt Waverley, Victoria, 3149 Australia.</td>
</tr>
<tr>
<td>Telephone Number</td>
<td>1300 742 296</td>
</tr>
<tr>
<td>Emergency Telephone No.</td>
<td>24 hours 1300 742 296</td>
</tr>
<tr>
<td>Emergency Services</td>
<td>Dial 000</td>
</tr>
<tr>
<td>SDS Preparer</td>
<td>Fire Protection Technologies</td>
</tr>
<tr>
<td>Manufacturer:</td>
<td>Dafo Fomtec AB</td>
</tr>
<tr>
<td></td>
<td>Garnisongsg. 47 A, Helsingborg</td>
</tr>
<tr>
<td></td>
<td>Box 683</td>
</tr>
<tr>
<td></td>
<td>S-13526</td>
</tr>
<tr>
<td></td>
<td>Tyreso</td>
</tr>
<tr>
<td></td>
<td>Sweden</td>
</tr>
<tr>
<td></td>
<td>+46 850640500</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:info@fomtec.com">info@fomtec.com</a></td>
</tr>
<tr>
<td></td>
<td><a href="http://www.fomtec.com">www.fomtec.com</a></td>
</tr>
</tbody>
</table>

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

Use of the substance / preparation: Appliance protection

2. HAZARD IDENTIFICATION

2.1 Classification of substance or mixture

<table>
<thead>
<tr>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]</th>
<th>Eye Dam. 2; H319; Calculation method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance / mixture hazardous properties</td>
<td>Not regarded as a health or environmental hazard under current legislation.</td>
</tr>
</tbody>
</table>
2.2 **Label elements**

**Hazard Pictograms (CLP)**

![Hazard Pictogram]

Composition on the label: 1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts 1-2.9 %, Sodium decyl sulphate 3-5 %

**Signal word**

Warning

**Hazard statements**

H319 Causes serious eye damage

**Precautionary statements**

P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3 **Other hazards**

**PBT / vPvB**

The product does not meet the criteria for PBT (persistent / bioaccumulative / toxic) or vPvB (very Persistent / very bioaccumulative).

### 3. **COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1 **Mixtures**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>classification</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl polyglycoside</td>
<td>CAS No.: 68515-73-1 EC No.: 500-220-1 REACH Reg. No.: 01-2119488530-36-XXXX</td>
<td>Eye Dam. 1; H318</td>
<td>1-2.9 %</td>
</tr>
<tr>
<td>Ethanediol</td>
<td>CAS No.: 107-21-1 EC No.: 203-473-3 Index No.: 603-027-00-1</td>
<td>Acute tox. 4; H302;</td>
<td>10-19%</td>
</tr>
<tr>
<td>Diethylene glycol monobutyl ether</td>
<td>CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8</td>
<td>Eye Irrit. 2; H319;</td>
<td>1-9%</td>
</tr>
<tr>
<td>1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts</td>
<td>EC No.: 939-455-3 REACH Reg. No.: 01-2119970722-34</td>
<td>Eye Dam. 1; H318 Aquatic Chronic 3; H412</td>
<td>1-2.9 %</td>
</tr>
<tr>
<td>Sodium decyl sulphate</td>
<td>GAS No.: 142-87-0 EC No.: 205-568-5 REACH Reg. No.: 01-2119970328-30</td>
<td>Acute tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412</td>
<td>3-5%</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

4.1 Description of first aid measures

General
Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Inhalation
Fresh air and rest. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothing and launder thoroughly before re-use. Wash skin thoroughly with soap and water for several minutes. Get medical attention if any discomfort continues.

Eye contact
Immediately rinse with plenty of lukewarm water for at least 5 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Contact physician if irritation persists.

Ingestion
Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Recommended personal protective equipment for first aid responders
No recommendation given

4.2 Most important symptoms and effects, both acute and delayed

General symptoms and effects
Causes eye irritation. After extensive contact, may cause irritation to skin. Ingestion of large quantities may cause nausea, vomiting, dizziness, confusion, lost of consciousness.

4.3 Indication of any immediate medical attention and special treatment

Medical treatment
Treat Symptomatically

Medical monitoring for delayed effects
No recommendation given

Separate first aid equipment
Eye wash facility in working area

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
This product is not flammable

5.2 Special hazards arising from the substance or mixture

Fire and explosion hazards
None

Hazardous combustion products
In case of fire, carbon monoxide and carbon dioxide may be released.

5.3 Advice for firefighters

Personal protective equipment
Use personal protective equipment as required.

Firefighting procedures
Follow the general fire precautions indicated by the workplace
6. **ACCIDENTAL RELEASE MEASURES**

6.1 **personal precautions, protective equipment and emergency procedures**

**General measures**
Ensure good ventilation.

**Personal protection measures**
Avoid contact with skin and eyes. Do not breathe vapour.
For personal protection, see section 8.

6.2 **Environmental precautions**

**Environmental precautionary measures**
Prevent discharge of larger quantity to drain. Avoid discharge to the aquatic environment.

6.3 **Methods and material for containment and cleaning up**

**Clean up**
Absorb in vermiculite, dry sand or earth and place into containers. Collect spills to suitable waste containers.
Further handling of waste - see section 13.

6.4 **Reference to other sections**

**Other instructions**
See sections 8 and 13 for information concerning protective equipment and waste treatment methods.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**

**Handling**
Avoid contact with skin and eyes. Avoid inhalation of vapours. Wash hands before breaks and before smoking, eating or drinking. Wash hands and contaminated areas with water and soap after finished work. Container must be kept tightly closed.

7.2 **Conditions for safe storage, including any incompatibilities**

**Storage**
Keep cool in a well-ventilated space. Keep container tightly closed. Protect against direct sun light.

7.3 **Specific end use(s)**

**Specific use(s)**
See EWC-code under Section 13.

8. **EXPOSURE CONTROL/PERSONAL PROTECTION**

8.1 **Control parameters**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl polyglycoside Ethanol Diethylene glycol monobutyl ether</td>
<td>CAS No.: 6851-5-73-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAS No.: 107-21-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAS No.: 112-34-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DNEL / PNEC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Value</th>
<th>Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl polyglycoside</td>
<td></td>
<td>Consumer</td>
</tr>
</tbody>
</table>
8.2 Exposure controls

Safety signs

Precautionary measures to prevent exposure

Appropriate engineering controls
An eye was bottle must be available at the work site.

Eye / face protection
Suitable eye protection
Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hand protection
Skin-/hand protection, long term contact
In cases of prolonged, repeated or extensive exposure, wear protective gloves.

Suitable gloves type
Rubber or plastic.

Skin protection
Suitable protective clothing
Use protective clothes in order to avoid skin contact.

Respirator protection
Respirator protection
Ensure good ventilation. In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Hygiene / environmental
Specific hygiene measures
No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Clear liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Light (or pale).</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight odour.</td>
</tr>
<tr>
<td>pH</td>
<td>Status: In delivery state</td>
</tr>
<tr>
<td></td>
<td>Value: 6,5 - 8,5</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Value: -21 °C</td>
</tr>
<tr>
<td>Relative density</td>
<td>Value: ~ 1,070 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Comments: Completely soluble in water.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Value: ≤ 30 mPas</td>
</tr>
<tr>
<td></td>
<td>Method: Brookfield DV</td>
</tr>
</tbody>
</table>

9.2 Other information

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity

Stable product under normal conditions of handling and storage.

10.2 Chemical stability

Stability

Stable product under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions

Stable product under normal conditions of handling and storage.

10.4 Conditions to avoid

Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5 Incompatible materials

Materials to avoid

Alkali earth metals.

10.6 Hazardous decomposition products

Hazardous decomposition products.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance

Alkyl polyglycoside

Acute toxicity

Type of toxicity: Acute

Effect tested: LD50

Route of exposure: Oral

Value: > 2000 mg/kg

Animal test species: Rat

Test reference: OECD 401

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Animal test species: Rabbit
Test reference: OECD 423

Substance
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-N-(CS-18 (even numbered) acyl) derivs., hydroxides, inner salts

Acute toxicity
Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: = 2950 mg/kg bw
Animal test species: Rat
Test reference: OECD 401
Comments: Non-acute toxic.

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Derma
Value: > 2000 mg/kg bw
Animal test species: Rat
Test reference: OECD 402
Comments: Non-acute toxic.

Other Information regarding health hazards
Skin contact
In case of prolonged contact with skin, may cause irritation.

Eye contact
Cause serious eye irritation.

Ingestion
In case of ingestion may cause nausea, vomiting, dizziness, confusion, loss of consciousness.

Sensitisation
No known chronic or acute health risks

Mutagenicity
No known chronic or acute health risks.

Carcinogenicity, other information
No known chronic or acute health risks.

Mutagenicity
No known chronic or acute health risks.

Reproductive toxicity
No known chronic or acute health risks.

Symptoms of exposure
In case of ingestion
Ingestion of large quantities may cause nausea, vomiting, dizziness, confusion, loss of consciousness.

In case of skin contact
Irritation is possible in case of prolonged contact with skin.

In case of eye contact
Irritation of eyes and mucous membrane.
12. ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute aquatic, fish</th>
<th>Acute aquatic, algae</th>
<th>Acute aquatic, Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl polyglycoside</td>
<td>Value: ~ 20 mg/l</td>
<td>Value: ~ 21 mg/l</td>
<td>Value: ~ 150 mg/l</td>
</tr>
<tr>
<td></td>
<td>Test duration: 96 hrs</td>
<td>Test duration: 72 hrs</td>
<td>Test duration: 48 hrs</td>
</tr>
<tr>
<td></td>
<td>Species: Cyprinodon Variegatus</td>
<td>Species: Skeletonema Costatum</td>
<td>Species: Acartia Tonsa</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Alkyl polyglycoside</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability</td>
<td>Value: ~ 1.00 %</td>
</tr>
<tr>
<td></td>
<td>Method: OCDE 301 E</td>
</tr>
<tr>
<td></td>
<td>Test period: 28 days</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-7 (even numbered) acyl) derivs., hydroxides, inner salts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability</td>
<td>Value: 57 %</td>
</tr>
<tr>
<td></td>
<td>Method: OECD 306</td>
</tr>
<tr>
<td></td>
<td>Test period: = 28 day(s)</td>
</tr>
</tbody>
</table>

Persistence and degradability, comments
The product is expected to be biodegradable.

12.3 Bio accumulative potential

Bioaccumulative potential
Bioaccumulation: Is not expected to be bioaccumulable.

12.4 Mobility in soil

Mobility
The product contains substances, which are water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT assessment results
Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Specify the appropriate methods of disposal
Dispose of waste and residues in accordance with local authority requirements.

EWC waste code
EWC waste code: 160305 organic wastes containing dangerous substances
Classified as hazardous waste: Yes

EU Regulations

<table>
<thead>
<tr>
<th>14. TRANSPORT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous goods</td>
</tr>
</tbody>
</table>

| 14.1 UN number |
| Comments | Not applicable. No information required. |

| 14.2 UN proper shipping name |
| Comments | Not applicable. No information required. |

| 14.3 Transport hazard class(es) |
| Comments | Not applicable. No information required. |

| 14.4 Packing group |
| Comments | Not applicable. No information required. |

| 14.5 Environmental hazards |
| Comments | Not applicable. No information required. |

| 14.6 Special precautions for user |

| 14.7 Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code |
| Additional Information |
| Transport in bulk (yes/no) | No |
| Additional information | The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). |

<table>
<thead>
<tr>
<th>15. REGULATORY INFORMATION</th>
</tr>
</thead>
</table>

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

Legislation and regulation


15.2 Chemical safety assessment

Chemical safety assessment performed: Yes

16. OTHER INFORMATION

List of relevant H-phrases (Section 2 and 3)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes Serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.