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

1.1 Product Identifier

Product name: Fomtec Enviro Class A
Article no: 11-1050-XX
Importer / Supplier: Fire Protection Technologies
Address: Unit 1/251 Ferntree Gully Road
Mt Waverley, Victoria, 3149 Australia.
Telephone Number: 1300 742 296
Emergency Telephone No: 24 hours 1300 742 296
Emergency Services: Dial 000
SDS Preparer: Fire Protection Technologies
Manufacturer: Dafo Fomtec AB
Garnisongsg. 47 A, Helsingborg
Box 683
S-13526
Tyreso
Sweden
+46 850640500
info@fomtec.com
www.fomtec.com

2. HAZARD IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]  
Eye Dam. 1; H318; Calculation method
Substance / mixture hazardous properties  
Not regarded as a health or environmental hazard under current legislation.

2.2 Label elements

Hazard Pictograms (CLP)
Composition on the label

2-(2-Butoxyethoxy) ethanol 10-15%, 2-Ethylhexyl sulfosuccinate sodium 1-2.9%, Alcohols, C12-14, ethoxylated, sulfates, sodium salts 5-9%

Signal word

Danger

Hazard statements

H318 Causes serious eye damage

Precautionary statements

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. P310 Immediately call a POISON Centre or doctor/physician.

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>2-(2-Butoxyethoxy) ethanol</td>
<td>CAS No.: 112-34-5  EC No.: 203-961-6  Index No.: 603-096-00-8  REACH Reg. No.: 01-2119475104-44</td>
<td>Eye Irrit. 2; H319</td>
<td>10 -15 %</td>
</tr>
<tr>
<td>2-Ethylhexyl sulfosuccinate sodium</td>
<td>CAS No.: 577-11-7  EC No.: 209-406-4  REACH Reg. No.: 01-2119491296-29</td>
<td>Eye Dam. 1; H318 Skin Irrit. 2; H315</td>
<td>1 -2.9 %</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</td>
<td>CAS No.: 68891-38-3  EC No.: 500-234-</td>
<td>Skin Irrit. 2; H315; Eye Dam. 1; H318; Aquatic Chronic 3; H412</td>
<td>5 -9 %</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

Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention immediately. Continue to rinse. Immediately rinse with plenty of lukewarm water for at least 15 minutes.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.
4.2 Most important symptoms and effects, both acute and delayed
General symptoms and effects
Ingestion of large quantities may cause nausea, vomiting, dizziness, confusion, lost of consciousness. After extensive contact, may cause irritation to skin. May cause serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment
Medical treatment
Treat Symptomatically
Medical monitoring for delayed effects
Treat Symptomatically
Separate first aid equipment
No recommendation given

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

5.3 Advice for firefighters
Firefighting procedures
Follow the general fire precautions indicated by the workplace

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
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

Store at moderate temperatures in dry, well ventilated area. Keep containers tightly closed. Protect against direct sunlight.

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>2-(2-Butoxyethoxy) ethanol</td>
<td>CAS No.: 112-34-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DNEL / PNEC

<table>
<thead>
<tr>
<th>Substance</th>
<th>2-(2-Butoxyethoxy) ethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNEC</td>
<td>Reference: Predicted No Effect</td>
</tr>
<tr>
<td>Concentration</td>
<td>1 mg/L aquatic organisms</td>
</tr>
<tr>
<td>71 mg/L microorganisms</td>
<td></td>
</tr>
<tr>
<td>0.2 mg/kg terrestrial environment</td>
<td></td>
</tr>
<tr>
<td>50 mg/kg predators</td>
<td></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
Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hand protection
In cases of prolonged, repeated or extensive exposure, wear protective gloves.

Skin protection
Suitable protective clothing

Use protective clothes in order to avoid skin contact.

Respirator protection

Respirator protection

In case of inadequate ventilation and work of brief duration, use suitable respirator 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>Property</th>
<th>Value/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Clear, yellowish liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellowish</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight odour</td>
</tr>
<tr>
<td>Odour limit</td>
<td>Comments: Not entered</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>Melting point / melting range</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Value: -5 °C</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Flash point</td>
<td>Comments: Not relevant</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Relative density</td>
<td>Value: ~ 1,020 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Comments: Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Spontaneous combustibility</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Comments: Not entered</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Value: ≤ 30 mPas</td>
</tr>
<tr>
<td></td>
<td>Method: Brookfield DV</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Does not meet the criteria for oxidising</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td></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 Not known under normal conditions of handling and storage.

10.5 Incompatible materials
Materials to avoid Alkali earth metals.

10.6 Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>2-(2-Butoxyethoxy) ethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Oral Value: = 5660 mg/kg bw Animal test species: Rat Comments: Non-acute toxic</td>
</tr>
<tr>
<td></td>
<td>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Dermal Value: &gt; 2000 mg/kg Animal test species: Rabbit Comments: Non-acute toxic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>2-Ethylhexyl sulfosuccinate sodium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Oral Value: = 1900 mg/kg bw Animal test species: Rat Comments: Hazardous if ingested</td>
</tr>
<tr>
<td></td>
<td>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Dermal Value: = 10000 mg/kg Animal test species: Rabbit Comments: Non-acute toxic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Oral Value: &gt; 2000 mg/kg bw Test reference: OECD 404</td>
</tr>
</tbody>
</table>
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
When consuming large quantities, the product can cause nausea, vomiting, dizziness, confusion, loss of consciousness.

In case of skin contact
After extensive contact, may cause irritation to skin

In case of eye contact
Irritation of eyes and mucous membrane.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic, fish
Value: ~ 35 mg/l
Test duration: 96 h
Species: Rainbow Trout

Substance
2-(2-Butoxyethoxy) ethanol

Acute aquatic, fish
Toxicity Type: Acute
Value: ~ 1300 mg/l
Test duration: = 96 hour(s)
Species: Lepomis macrochirus
Comments: Not hazardous for environment

Substance
2-Ethylhexyl sulfosuccinate sodium

Acute aquatic, fish
Toxicity type: Acute
Value: = 28 mg/l
Effect dose concentration: LC50
Exposure time: = 96 hour(s)
Species: Oncorhynchus mykiss
Comments: Risk for hazardous effect on the environment

Substance
Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Acute aquatic, fish
Value: 10 - 100 mg/l Method: ISO 7346/2

Acute aquatic, Daphnia
Value: ~ 35 mg/l
Test duration: 24 h
Species: Daphnia Magna

Substance
2-(2-Butoxyethoxy) ethanol
Acute aquatic, Daphnia

**Toxicity type:** Acute
**Value:** > 100 mg/l
**Effect dose concentration:** EC50
**Exposure time:** 48 hour(s)
**Species:** D. magna
**Comments:** Not hazardous for environment

Ecotoxicity

The product is not environmentally hazardous to aquatic life.

Aquatic, comments

**Value:** 10 - 100 mg/l **Method:** ISO 7346/2

### 12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy) ethanol</td>
<td>Value: 89%</td>
</tr>
<tr>
<td>Method: degradation in 28 days OECD 301C</td>
<td></td>
</tr>
<tr>
<td>2-Ethylhexyl sulfosuccinate sodium</td>
<td>Value: 66.7%</td>
</tr>
<tr>
<td>Method: degradation in 28 days OECD 301D</td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</td>
<td>Value: 90%</td>
</tr>
<tr>
<td>Method: degradation in 28 days OECD 301D</td>
<td></td>
</tr>
</tbody>
</table>

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

### 12.3 Bio accumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy) ethanol</td>
<td>Value: 2.9</td>
</tr>
<tr>
<td>Comments: No bioaccumulation expected.</td>
<td></td>
</tr>
<tr>
<td>Value: 56.23</td>
<td></td>
</tr>
<tr>
<td>Comments: No bioaccumulation expected.</td>
<td></td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Specify the appropriate methods of disposal</th>
<th>Dispose of waste and residues in accordance with local authority requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EWC waste code</strong></td>
<td>EWC waste code: 160305 organic wastes containing dangerous substances</td>
</tr>
<tr>
<td><strong>National regulations</strong></td>
<td>Classified as hazardous waste: Yes</td>
</tr>
<tr>
<td><strong>SFS 2011:927</strong></td>
<td></td>
</tr>
</tbody>
</table>
### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th><strong>Dangerous goods</strong></th>
<th>No</th>
</tr>
</thead>
</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** | **The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).** |

### 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 performed Yes

16. OTHER INFORMATION

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