

# Safety Data Sheet

## Fomtec LS aMax

**Revision Date** 07/11/2019

**Status** ISSUED BY: Fire Protection Technologies

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

#### 1.1 Product Identifier

**Product name:** Fomtec LS aMax

**Product no:** 11-3600-XX / UFI Code

**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  
Box 683  
SE-13526 Tyreso  
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### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation

#### 2.2 Label elements

##### Hazard Pictogram(s)



Signal word

Warning

Hazard statements

Causes serious eye irritation



Safety statement(s)

General Prevention: P280, Wear eye protection  
 P264, Wash hands/exposed areas thoroughly after handling  
 Response: P337+P313, If eye irritation persists get medical advice/attention  
 P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

#### 3.2 Mixtures

Product/Ingredient name	Identifiers	% w/w	Classification	Note
Sodium decyl sulphate	CAS No.: 142-87-0 EC No.: 205-568-5	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No.: 68515-73-1 EC No.: 500-220-1	3-5%	Eye Dam. 1, H318	
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8	3-5%	Eye Irrit. 2, H319	Annex XVII, EU
1-Propanaminium, N-(3-aminopropyl)-2- hydroxy-N,Ndimethyl- 3-sulfo, N-(C8-18(even numbered) acyl) derivs., hydroxides	EC No.: 939-455-3 REACH No.: 01-21199722-34-0000	<1%	Eye Dam. 1, H318 Aquatic Chronic 3, H412	

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

General	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person’s condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation	Bring the person into fresh air and stay with them
Skin contact	Immediately remove contaminated clothing and shoes. Ensure that skin which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
Eye contact	Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.



Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of, or choking on vomited material.

#### **4.2 Most important symptoms and effects, both acute and delayed**

Irritation effects

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### **4.3 Indication of any immediate medical attention and special treatment**

If eye irritation persists

Get medical advice/attention

### **5. FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

This product is not flammable

#### **5.2 Special hazards arising from the substance or mixture**

None

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service in order to obtain further advice.

### **6. ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

No specific requirements

#### **6.2 Environmental precautions**

No specific requirements

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms.

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

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature: Dry, cool and well ventilated (<55°C)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	<p>Long term exposure limit (8 hours) (ppm): 10</p> <p>Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 67,5</p> <p>Short term exposure limit (15 minutes) (ppm): 15</p> <p>Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 101,2</p>
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### 8.2 Exposure controls

General recommendations	Smoking, eating and drinking are not allowed in the work premises
Exposure scenarios	In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.
Exposure limits	Professional users are subjected to the legally set maximum concentrations for occupational exposure.
Appropriate technical measures	Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.
Hygiene measures	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.
Measures to avoid environmental exposure	No specific requirements
Personal protective equipment	Use only CE marked protective equipment
Skin protection	Dedicated work clothing should be worn
Hand protection	Vinyl/PVC gloves with 0.6mm thickness
Eye protection	Wear safety glasses with side shields. Standards EN166

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Form	Liquid
Colour	Pale yellow
Odour	Characteristic
pH	6.5 – 8.5
Density (g/cm <sup>3</sup> )	1.03
Viscosity	2200.00 mPa.s
Phase changes: Melting point (°C)	-6
Solubility	Soluble in water

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is stable under the conditions, noted in the section “Handling and storage”

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

None

### 10.5 Incompatible materials

Strong acids, strong bases, strong oxidizing agents and strong reducing agents

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Product/Ingredient name

Sodium decyl sulphate

**Type of toxicity:** Acute

**Test:** LD50

**Route of exposure:** Oral



	<b>Result:</b> 1200.00 mg/kg <b>Species:</b> Rat
	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Dermal <b>Result:</b> 2000.00 mg/kg <b>Species:</b> Rat
D-Glucopyranose, oligomers, decyl octyl glycosides	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Dermal <b>Result:</b> 2000.00 mg/kg <b>Species:</b> Rat
	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Oral <b>Result:</b> 2000.00 mg/kg <b>Species:</b> Rat
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Oral <b>Result:</b> 2410.00 mg/kg <b>Species:</b> Mouse
	<b>Type of toxicity:</b> Acute <b>Test:</b> LC50 <b>Route of exposure:</b> Inhalation <b>Result:</b> 29.00 ppm <b>Species:</b> Rat
	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Dermal <b>Result:</b> 2764.00 mg/kg <b>Species:</b> Rabbit
	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Oral <b>Result:</b> 5660.00 mg/kg <b>Species:</b> Rat
1-Propanaminium, N-(3- aminopropyl)-2- hydroxy- N,Ndimethyl- 3-sulfo, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Oral <b>Result:</b> 2950.00 mg/kg <b>Species:</b> Rat
	<b>Type of toxicity:</b> Acute <b>Test:</b> LD50 <b>Route of exposure:</b> Dermal <b>Result:</b> 2000.00 ppm <b>Species:</b> Rat
Eye contact	Causes serious eye irritation
Long term effects	Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Product/Ingredient name

Sodium decyl sulphate

**Test:** LC50  
**Duration:** 48 hours  
**Result:** 13.00 mg/l  
**Species:** Fish

**Test:** EC50  
**Duration:** 72 hours  
**Result:** 8.64 mg/l  
**Species:** Algae

D-Glucopyranose, oligomers, decyl octyl glycosides

**Test:** EC50  
**Duration:** 72 hours  
**Result:** 20.71 mg/l  
**Species:** Algae

**Test:** LC50  
**Duration:** 96 hours  
**Result:** 21.00 mg/l  
**Species:** Fish

**Test:** EC50  
**Duration:** 72 hours  
**Result:** 37.00 mg/l  
**Species:** Algae

**Test:** EC50  
**Duration:** 48 hours  
**Result:** 100.00 mg/l  
**Species:** Daphnia

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

**Test:** LC50  
**Duration:** 96 hours  
**Result:** 1300.00 mg/l  
**Species:** Fish

**Test:** EC50  
**Duration:** 48 hours  
**Result:** 100.00 mg/l  
**Species:** Daphnia

**Test:** EC50  
**Duration:** 96 hours  
**Result:** 100.00 mg/l  
**Species:** Algae

1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts

**Test:** LC50  
**Duration:** 96 hours  
**Result:** 0.23 mg/l  
**Species:** Fish

**Test:** EC50  
**Duration:** 48 hours  
**Result:** 4.00 mg/l  
**Species:** Daphnia

**Test:** NOEC  
**Duration:** 72 hours  
**Result:** 0.76 mg/l  
**Species:** Algae

## 12.2 Persistence and degradability

### Product/Ingredient name

Sodium decyl sulphate

**Test:** OECD 301 D (Closed Bottle)  
**Result:** 80%  
**Biodegradability:** Yes

D-Glucopyranose, oligomers, decyl octyl glycosides

**Test:** OECD 301 E (Modified OECD Screening Test)  
**Result:** 100%  
**Biodegradability:** Yes

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

**Test:** OECD 301 C (Modified MITI Test)  
**Result:** 80%  
**Biodegradability:** Yes

1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts

**Result:** 57%  
**Biodegradability:** Yes

## 12.3 Bio accumulative potential

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

**Potential Bio accumulation:** No

1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts

**Potential Bio accumulation:** No

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product is covered by the regulations on hazardous waste





EWC code 16 03 06 – Organic wastes other than those mentioned in 16 03 05  
Contaminated packing Packaging containing residues of the product must be disposed of similarly to the product.

## 14. TRANSPORT INFORMATION

### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG

### 14.5 – Environmental hazards

Not applicable

### 14.6 – Special precautions for user

Not applicable

### 14.7 – Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## 15. REGULATORY INFORMATION

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

Sources Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). Regulation (EC) 1907/2006 (REACH)

### 15.2 Chemical safety assessment

Chemical safety assessment Yes

## 16. OTHER INFORMATION

Full list of H-phrases as mentioned in Section 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