

Safety Data Sheet

Fomtec LS xMax

Revision Date 25/01/2021

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 xMax

Product no: 11-3500-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
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SDS Preparer Fire Protection Technologies

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2. HAZARD IDENTIFICATION

2.1 Classification of substance or mixture

Skin Irrit. 2; H315, Causes skin irritation
Eye Dam 1; H318, Causes serious eye damage
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects

2.2 Label elements

Hazard Pictogram(s)



Signal word

Danger

Hazard statements	Causes skin irritation Causes serious eye damage Harmful to aquatic life with long lasting effects
Safety statement(s)	Prevention: P273; Avoid release to the environment P280, Wear eye protection / protective gloves / protective clothing Response: 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 / doctor P391, Collect spillage
Hazardous substances	Sodium decyl sulphate Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Additional warnings	This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB

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 REACH No.: 01-2119970328-30-0004	10-15%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 20.00%) Aquatic Chronic 3, H412	
2-(2-butoxyethoxy)ethylene glycol monobutyl ether; butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0	10-15%	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Acute Tox. 4, H312 Acute Tox. 4, H302	EU
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8 REACH No.: 01-2119488639-16-0013	10-15%	Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 10.00%) Aquatic Chronic 3, H412	
Dodecan-1-ol	CAS No.: 112-53-8 EC No.: 203-982-0 REACH No.: 01-2119485976-15-	1-3%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 Eye Irrit. 2, H319	
Tetradecanol	CAS No.: 112-72-1 EC No.: 04-000-3 REACH No.: 01-2119485910-33-XXXX	<1%	Aquatic Chronic 1, H410 (M=1) Eye Irrit. 2, H319	

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	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with them
Skin contact	IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact	Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. Seek medical assistance immediately and continue flushing.
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.
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4.3 Indication of any immediate medical attention and special treatment

If exposed or concerned	Get immediate medical advice/attention
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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



Avoid direct contact with spilled substances.
Avoid inhalation of vapours from spilled material.

6.2 Environmental precautions

Avoid discharge to lakes, streams, sewers etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3 Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
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

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.

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)
Incompatible materials	Strong acids, strong bases, strong oxidizing agents and strong reducing agents

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

2-butoxyethanol;ethylene glycol monobutyl ether; butyl cellosolve	Long term exposure limit (8 hours) (ppm): 25 Long term exposure limit (8 hours) (mg/m ³): 123 Short term exposure limit (15 minutes) (ppm): 50 Short term exposure limit (15 minutes) (mg/m ³): 246
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DNEL

Sodium decyl sulphate	DNEL: 4060 mg/kg Route of exposure: Dermal Duration: Short term – Systemic effects – Workers
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	<p>DNEL: 285 mg/m³ Route of exposure: Inhalation Duration: Short term – Systemic effects – Workers</p>
	<p>DNEL: 2440 mg/kg Route of exposure: Dermal Duration: Long term – Systemic effects – General population</p>
	<p>DNEL: 85 mg/m³ Route of exposure: Inhalation Duration: Long term – Systemic effects – General population</p>
	<p>DNEL: 24 mg/kg Route of exposure: Oral Duration: Long term – Systemic effects – General population</p>
2-butoxyethanol;ethylene glycol monobutyl ether;butylcellosolve	<p>DNEL: 6.3 mg/kg Route of exposure: Oral Duration: Long term</p>
	<p>DNEL: 59 mg/m³ Route of exposure: Inhalation Duration: Long term – Systemic effects – General population Remarks: ECHA</p>
	<p>DNEL: 75 mg/kg Route of exposure: Dermal Duration: Long term – Systemic effects – General population Remarks: ECHA</p>
	<p>DNEL: 147 mg/m³ Route of exposure: Inhalation Duration: Short term – Local effects – General population Remarks: ECHA</p>
	<p>DNEL: 26.7 mg/kg Route of exposure: Oral Duration: Short term – Systemic effects – General population Remarks: ECHA</p>
	<p>DNEL: 426 mg/m³ Route of exposure: Inhalation Duration: Short term – Systemic effects – General population Remarks: ECHA</p>
	<p>DNEL: 98 mg/kg Route of exposure: Inhalation Duration: Long term – Systemic effects – Workers Remarks: ECHA</p>
	<p>DNEL: 125 mg/kg Route of exposure: Dermal Duration: Long term – Systemic effects – Workers Remarks: ECHA</p>
	<p>DNEL: 246 mg/m³ Route of exposure: Inhalation Duration: Short term – Local effects – Workers Remarks: ECHA</p>

	<p>DNEL: 1091 mg/m³ Route of exposure: Inhalation Duration: Short term – Systemic effects – Workers Remarks: ECHA</p>
	<p>DNEL: 89 mg/kg Route of exposure: Dermal Duration: Short term – Systemic effects – Workers Remarks: ECHA</p>
Dodecan-1-ol	<p>DNEL: 125 mg/kg Route of exposure: Dermal Duration: Short term</p>
	<p>DNEL: 220 mg/m³ Route of exposure: Inhalation Duration: Short term</p>
	<p>DNEL: 125 mg/kg Route of exposure: Dermal Duration: Long term</p>
	<p>DNEL: 220 mg/m³ Route of exposure: Inhalation Duration: Long term</p>
Tetradecanol	<p>DNEL: 125 mg/kg Route of exposure: Dermal Duration: Short term Remarks: Workers</p>
	<p>DNEL: 220 mg/m³ Route of exposure: Inhalation Duration: Short term Remarks: Workers</p>
	<p>DNEL: 125 mg/kg Route of exposure: Dermal Duration: Long term Remarks: Workers</p>
	<p>DNEL: 220 mg/m³ Route of exposure: Inhalation Duration: Long term Remarks: Workers</p>
PNEC	
Sodium decyl sulphate	<p>PNEC: 0,095 mg/l Route of exposure: Freshwater Duration of Exposure: No data available</p>
	<p>PNEC: 0,0095 mg/l Route of exposure: Marine water Duration of Exposure: No data available</p>
	<p>PNEC: 1,5 mg/kg Route of exposure: Freshwater Sediment Duration of Exposure: No data available</p>

	<p>PNEC: 0,15 mg/kg Route of exposure: Marine water sediment Duration of Exposure: No data available</p>
	<p>PNEC: 0,2445 mg/kg Route of exposure: Soil Duration of Exposure: No data available</p>
	<p>PNEC: 0086 mg/l Route of exposure: Intermittent release Duration of Exposure: No data available</p>
2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	<p>PNEC: 8.8 mg/l Route of exposure: Freshwater Duration of Exposure: No data available Remarks: ECHA</p>
	<p>PNEC: 0.88 mg/l Route of exposure: Marine water Duration of Exposure: No data available Remarks: ECHA</p>
	<p>PNEC: 9.1 mg/l Route of exposure: Intermittent release Duration of Exposure: No data available Remarks: ECHA</p>
	<p>PNEC: 34.6 mg/kg Route of exposure: Freshwater sediment Duration of Exposure: No data available Remarks: ECHA</p>
	<p>PNEC: 3.46 mg/kg Route of exposure: Marine water sediment Duration of Exposure: No data available Remarks: ECHA</p>
	<p>PNEC: 2.33 mg/kg Route of exposure: Soil Duration of Exposure: No data available Remarks: ECHA</p>
Dodecan-1-ol	<p>PNEC: 0.0028 mg/l Route of exposure: Freshwater Duration of Exposure: No data available</p>
	<p>PNEC: 0.0008 mg/l Route of exposure: Marine water Duration of Exposure: No data available</p>
	<p>PNEC: 1.1 mg/kg Route of exposure: Freshwater sediment Duration of Exposure: No data available</p>
	<p>PNEC: 0.11 mg/kg Route of exposure: Marine water sediment Duration of Exposure: No data available</p>
Tetradecanol	<p>PNEC: 0.00032 mg/l</p>

Route of exposure: Freshwater
Duration of Exposure: No data available

PNEC: 0.000032 mg/l
Route of exposure: Marine water
Duration of Exposure: No data available

PNEC: 0.36 mg/kg
Route of exposure: Freshwater sediment
Duration of Exposure: No data available

PNEC: 0.036 mg/kg
Route of exposure: Marine water sediment
Duration of Exposure: No data available

8.2 Exposure controls

General recommendations	Smoking, drinking and consumption of food is not allowed in the work area
Exposure scenarios	There are no exposure scenarios implemented for this product
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 a local 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.
Personal Protective Equipment	Use only CE marked protective equipment
Skin protection	Dedicated work clothing should be worn
Hand protection	Vinyl / PVC Gloves. Thickness 0.6mm
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	7.4 – 8.4
Density (g/cm ³)	~1.02
Melting point	1,67°C
Solubility in Water	Soluble

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

The product is stable under the conditions, noted in 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

10.6 Hazardous decomposition products

This product is not degraded when used as specified in section 1

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
Result: 1200.00 mg/kg
Species: Rat

Type of toxicity: Acute
Test: LD50
Route of exposure: Dermal
Result: 2000.00 mg/kg
Species: Rat

2-butoxyethanol; ethylene glycol monobutyl ether;
butyl cellosolve

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 2000.00 mg/kg
Species: Rat



	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Inhalation Result: 2.20 mg/l Species: Rat</p>
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Dermal Result: 2000.00 mg/kg Species: Rat</p>
	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Oral Result: 4100.00 mg/kg Species: Rat</p>
Dodecan-1-ol	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Oral Result: 5000.00 mg/kg Species: Rat</p>
	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Dermal Result: 2000 mg/kg Species: Rat</p>
Tetradecanol	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Oral Result: 5000.00 mg/kg Species: Rat</p>
	<p>Type of toxicity: Acute Test: LD50 Route of exposure: Dermal Result: 2000.00 mg/kg Species: Rat</p>
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye damage
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

Sodium decyl sulphate	<p>Test: LC50 Duration: 48 hours Result: 13.00 mg/L Species: Fish</p>
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	<p>Test: EC50 Duration: 72 hours Result: 8.64 mg/L Species: Algae</p>
	<p>Test: EC50 Duration: 24 hours Result: >100 mg/L Species: Daphnia</p>
2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve	<p>Test: LC50 Duration: 96 hours Result: 1474.00 mg/L Species: Fish</p>
	<p>Test: EC50 Duration: 72 hours Result: 1840.00 mg/L Species: Algae</p>
	<p>Test: EC50 Duration: 48 hours Result: 1550.00 mg/L Species: Daphnia</p>
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<p>Test: LC50 Duration: 96 hours Result: 7.1 mg/L Species: Fish</p>
	<p>Test: EC50 Duration: 72 hours Result: 7.5 mg/L Species: Algae</p>
	<p>Test: EC50 Duration: 48 hours Result: 7.2 mg/L Species: Daphnia</p>
Dodecan-1-ol	<p>Test: LC50 Duration: 96 hours Result: 1.01 mg/L Species: Fish</p>
	<p>Test: EC50 Duration: 48 hours Result: 0.765 mg/L Species: Daphnia</p>
	<p>Test: EC50 Duration: 96 hours Result: 0.66 mg/L Species: Algae</p>
Tetradecanol	<p>Test: EC50 Duration: 48 hours Result: 3.20 mg/L Species: Daphnia</p>

Test: EC50
Duration: 96 hours
Result: 10.00 mg/L
Species: Algae

Test: LC50
Duration: 96 hours
Result: 1.00 mg/L
Species: Fish

12.2 Persistence and degradability

Sodium decyl sulphate

Test: OECD 301 D
Result: 80%
Biodegradability: Yes

2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve

Test: OECD 301 B
Result: 90%
Biodegradability: Yes

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

Test: OECD 301 B
Result: 100%
Biodegradability: Yes

Dodecan-1-ol

Test: OECD 301 C
Result: 79%
Biodegradability: Yes

Tetradecanol

Test: OECD 301 B
Result: 82.2%
Biodegradability: Yes

12.3 Bio accumulative potential

Sodium decyl sulphate

Potential Bioaccumulation: No data available
LogPow: 1,72
BCF: No data available

2-butoxyethanol;ethylene glycol monobutyl ether;butyl cellosolve

Potential Bioaccumulation: No
LogPow: No data available
BCF: No data available

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

Potential Bioaccumulation: No
LogPow: No data available
BCF: No data available

Dodecan-1-ol

Potential Bioaccumulation: No
LogPow: 5,6
BCF: 177.8300000

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



12.6 Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long term effects to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 – Irritant (skin irritation and eye damage)

Dispose of contents/container to an approved waste disposal plant

EWC code

16 03 05 – Organic wastes containing dangerous substances

Contaminated packaging

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

No data available

15. REGULATORY INFORMATION

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

Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 92/85/EEC on the introduction of measures to

encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.
 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
 H319, Causes serious eye irritation
 H302, Harmful if swallowed
 H315, Causes skin irritation
 H318, Causes serious eye damage
 H412, Harmful to aquatic life with long lasting effects
 H312, Harmful in contact with skin
 H400, Very toxic to aquatic life
 H411, Toxic to aquatic life with long lasting effects
 H410, Very toxic to aquatic life with long lasting effects

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

17. 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 ³)	1.03
Viscosity	2200.00 mPa.s
Phase changes: Melting point (°C)	-6
Solubility	Soluble in water

18. 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

19. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product/Ingredient name

Sodium decyl sulphate

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 1200.00 mg/kg
Species: Rat

Type of toxicity: Acute
Test: LD50
Route of exposure: Dermal
Result: 2000.00 mg/kg
Species: Rat

D-Glucopyranose, oligomers, decyl octyl glycosides

Type of toxicity: Acute
Test: LD50
Route of exposure: Dermal
Result: 2000.00 mg/kg
Species: Rat

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 2000.00 mg/kg
Species: Rat

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

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 2410.00 mg/kg
Species: Mouse

Type of toxicity: Acute
Test: LC50
Route of exposure: Inhalation
Result: 29.00 ppm
Species: Rat

Type of toxicity: Acute
Test: LD50
Route of exposure: Dermal
Result: 2764.00 mg/kg
Species: Rabbit

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 5660.00 mg/kg
Species: Rat

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

Type of toxicity: Acute
Test: LD50
Route of exposure: Oral
Result: 2950.00 mg/kg
Species: Rat

Type of toxicity: Acute
Test: LD50
Route of exposure: Dermal
Result: 2000.00 ppm
Species: 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.

20. 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,Ndimethyl-3-sulfo, N-(C8-18(even numbered))

Test: LC50
Duration: 96 hours



acyl) derivs., hydroxides, inner salts

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

21. 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.

22. 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

23. 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

24. 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