



Safety Data Sheet

FOMTEC Enviro 3x3 ULTRA

Issue Date 18/02/2018
Revision Date 17/04/2018

Status ISSUED BY: Fire Protection Technologies

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

1.1 Product Identifier

Product name:	Fomtec Enviro 3x3 Ultra
Article no:	14-9001-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 Garnisonsg. 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 Irrit. 2; H319

2.2 Label elements

Hazard Pictograms (CLP)



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P264 wash thoroughly after handling. P280 wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 IN 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Substance	Identification	classification	Contents
Diethylene glycol monobutyl ether	CAS no.: 112-34-5 EC no.: 203-961-6 Index no.: 603-096-00-8	Eye Irrit. 2;H319	5 - 9 %
Alkyl polyglycoside	CAS no.: 68515-73-1 EC no.: 500-220-1 REACH Reg. No.: 01-2119488530-36-XXXX	Eye Dam. 1;H318	1-2,9 %
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-,N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	EC no.: 939-455-3 REACH Reg. No.: 01-2119970722-34	Eye Dam. 1;H318 Aquatic Chronic 3; H412	1-2,9 %
Sulfuric acid, mono-C8-10-alkyl esters, sodium salts	CAS no.: 85338-42-7 EC no.: 286-718-7	Skin Irrit. 2; H315 Eye Dam. 1;H318	0,1 -0,9 %
Ethanediol	CAS no.: 107-21-1 EC no.: 203-473-3 Index no.: 603-027-00-1 REACH Reg. no.: 01-2119456816-28	Acute Tox. 4;H302	10 – 15 %

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 15 minutes. Remove any contact lenses from the eyes before rinsing. Contact physician if discomfort continues.
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	Ingestion of large quantities may cause nausea, vomiting, dizziness, confusion, loss of consciousness. Causes eye irritation.
------------------------------	---

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	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
-------------------------	--

Substance	Alkyl polyglycoside
DNEL	<p>Group: Consumer Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 124 mg/m³</p> <p>Group: Worker Route of exposure: Long term (repeated) – Inhalation – Systemic effect Value: 420 mg/m³</p> <p>Group: Worker Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 595000 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Oral – Systemic effect Value: 35,7 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long term (repeated) – Dermal – Systemic effect Value: 357000 mg/kg bw/day</p>

8.2 Exposure controls

Safety signs



Precautionary measures to prevent exposure	An eye wash bottle must be available at the work site
Eye / Face protection	Wear approved, tight fitting safety glasses where splashing is probable
Skin / Hand protection, short term contact	Hand protection not required
Suitable gloves type	Rubber or plastic
Suitable protective clothing	Not required
Respiratory protection	Ensure good ventilation. Under normal conditions of use respiration protection should not be required
Specific hygiene measures	Normal industry hygiene

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Clear, yellowish liquid
Colour	Yellowish
Odour	Slight odour.
Odour limit	Comments. No information
pH	Status: In delivery state Value: 6,5 – 8,5



Freezing point	Value: ~ 0°C
Relative density	Value: ~ 1,030 g/ml
Solubility	Soluble in water
Viscosity	Value: ≤ 10 mPas Method: Brookfield DV

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

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

	<p>Animal test species: Rat Test reference: OECD 401</p>
	<p>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: Rabbit Test reference: OECD 423</p>
Substance	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs, hydroxides, inner salts
Acute toxicity	<p>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Oral Value: = 2950 mg/kg bw Animal test species: Rat Test reference: OECD 401</p>
	<p>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: Rat Test reference: OECD 402</p>
Substance	Sulfuric acid, mono-C8-10-alkyl esters, sodium salts
Acute toxicity	<p>Type of toxicity: Acute Effect Tested: LC50 Route of exposure: Oral Value: > 2000 mg/kg bw Animal test species: Rat</p>
Substance	Ethanediol
Acute toxicity	<p>Type of toxicity: Acute Effect Tested: LD50 Route of exposure: Dermal Value: = 9530 mg/kg bw Animal test species: Rabbit</p>
Other Information regarding health hazards	
Eye contact	Causes serious eye irritation
Ingestion	In case of ingestion may cause nausea, vomiting, dizziness, confusion, loss of consciousness

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic, fish	<p>Value: > 5000 mg/l Test duration: 96 h Species: Rainbow Trout</p>
Substance	Alkyl polyglycoside

Acute aquatic, fish	Value: ~ 20 mg/l Test duration: 96 h Species: Cyprinodon Variegatus Method: OCDE 203
Substance	Sulfuric acid, mono-C8-10-alkyl esters, sodium salts
Acute aquatic, fish	Value: = 110 mg/l Effect dose concentration: LC50 Test duration: 48 h Species: Leuciscus idus Test reference: DIN 38412 T15
	Value: = 240 mg/l Effect dose concentration: EC50 Species: Daphnia magna Test reference: DIN 38412 T11
Substance	Ethanediol
Acute aquatic, fish	Value: = 18500 mg/l Effect dose concentration: LC50 Test duration: 96 hrs Species: Oncorhynchus mykiss
Substance	Alkyl polyglycoside
Acute aquatic, algae	Value: ~ 21 mg/l Test duration: 72 hrs Species: Skeletonema Costatum Method: ISO 10253
Substance	Ethanediol
Acute aquatic, algae	Value: = 2000 mg/l Effect dose concentration: IC50 Exposure time: = 72 hrs
Acute aquatic, Daphnia	Value: ~ 5000 mg/l Test duration: 24 h Species: Daphnia Magna
Substance	Alkyl polyglycoside
Acute aquatic, Daphnia	Value: ~ 150 mg/l Test duration: 48 h Species: Acartia Tonsa Method: ISO 14669
Substance	Ethanediol
Acute aquatic, Daphnia	Value: = 51000 mg/l Effect dose concentration: EC50 Exposure time: = 48 h Species: Daphnia magna
Ecotoxicity	This product is not environmentally hazardous to aquatic life.

12.2 Persistence and degradability

Biodegradability	Value: 100 % Test period: 28 days
Substance	Alkyl polyglycoside

Biodegradability	Value: ~ 100 % Method: OCDE 301E Test period: 28 days
Substance	1-Propanaminium, N-(3- aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
Biodegradability	Value: = 57 % Method: OECD 306 Test period: = 28 day(s)
Substance	Sulfuric acid, mono-C8-10-alkyl esters, sodium salts
Biodegradability	Value: > 60 % Method: OECD 301D Test period: 10 days Comments: Readily biodegradable
Substance	Ethanediol
Biodegradability	Value: = 56 % Method: degradation in 28 days OECD 301C Comments: Not readily biodegradable
Persistence and degradability	This product is expected to be biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
Substance	Ethanediol
Bioconcentration factor (BCF)	Value: = 10 Comments: No bioaccumulation expected

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
------------------------	---

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.
EU Regulations	Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives. Annex III to Directive 2008/98/EC.
EWC waste code	EWC: 160305 organic wastes containing dangerous substances Classified as hazardous waste: Yes

14. TRANSPORT INFORMATION

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 of Marpol and the IBC Code

Additional Information

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

EEC-directive Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC. Commission Directive 2012/45/EU adapting for the second time the Annexes to Directive 2008/68/EC of the European Parliament and of the Council on the inland transport of dangerous goods to scientific and technical progress.

Legislation and regulations Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008 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.

15.2 Chemical safety assessment

Chemical safety assessment performed Yes

16. OTHER INFORMTION

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

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]

Eye Irrit. 2; H319