



Material Safety Data Sheet

FOMTEC MB-20

Issue 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 MB-20
Article no: 11-3010-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
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1.2 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

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

Eye Dam. 2; H319; 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	1-Propanaminium, N-(3- aminopropyl)-2-hydroxy-N,Ndimethyl-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).
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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Substance	Identification	classification	Contents
Substance 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 %
Ethanediol	CAS No.: 107-21-1 EC No.: 203-473-3 Index No.: 603-027-00-1	Acute tox. 4; H302;	10 -19%
Diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8	Eye Irrit. 2; H319;	1 - 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 %
Sodium decyl sulphate	GAS No.: 142-87-0 EC No.: 205-568-5 REACH Reg. No.: 01-2119970328-30	Acute tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	3 -5 %

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.
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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
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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.
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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.
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6.4 Reference to other sections

Other instructions	See sections 8 and 13 for information concerning protective equipment and waste treatment methods.
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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.
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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.
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7.3 Specific end use(s)

Specific use(s)	See EWC-code under Section 13.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Substance	Identification	Value	TWA Year
Alkyl polyglycoside Ethanediol Diethylene glycol monobutyl ether	CAS No.: 6851 5-73-1 CAS No.: 107-21-1 CAS No.: 112-34-5		
DNEL / PNEC			
Substance	Alkyl polyglycoside		
PNECDNEL	Group: Consumer		

Route of exposure: Long term
(repeated) - Inhalation -
Systemic effect Value: 124
mg/m³

Group: Worker
Route of exposure: Long term
(repeated) - Inhalation -
Systemic effect Value: 420
mg/m³

Group: Worker
Route of exposure: Long term
(repeated) - Dermal - Systemic
effect Value: 595000 mg/kg
bw/day

Group: Consumer
Route of exposure: Long term
(repeated) - Oral - Systemic
effect Value: 35.7 mg/kg
bw/day

Group: Consumer
Route of exposure: Long term
(repeated) - Dermal - Systemic
effect Value: 357000 mg/kg
bw/day

8.2 Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls

An eye wash 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

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

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

	<p>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-(CS-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 Comments: Non-acute toxic.</p> <p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Derma l Value: > 2000 mg/kg bw Animal test species: Rat Test reference: OECD 402 Comments: Non-acute toxic.</p>
Substance	Sodium decyl sulphate
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: = 1950 mg/kg bw Animal test species: Rat Comments: Hazardous if ingested.</p>
Other Information regarding health hazards	
Skin contact	In case of prolonged contact with skin, may cause irritation.
Eye contact	Cause serious eye irritation.
Ingestion	n 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

Substance	Alkyl polyglycoside
Acute aquatic, fish	Value: ~ 20 mg/l Test duration: 96 hrs Species: Cyprinodon Variegatus Method: OCDE 203
Substance	Alkyl polyglycoside
Acute aquatic, algae	Value: ~ 21 mg/l Test duration: 72 hrs Species: Skeletonerna Costatum Method: ISO 10253
Substance	Alkyl polyglycoside
Acute aquatic, Daphnia	Value: ~ 150 mg/l Test duration: 48 hrs Species: Acartia Tonsa Method: ISO 14669

12.2 Persistence and degradability

Substance	Alkyl polyglycoside
Biodegradability	Value: ~ 100 % Method: OCDE 301 E Test period: 28 days
Substance	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-(C8-7 8{even numbered} acyl) derivs., hydroxides, inner salts
Biodegradability	Value: = 57 % Method: OECD 306 Test period: = 28 day(s)
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.
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12.4 Mobility in soil

Mobility	The product contains substances, which are water soluble and may spread in water systems.
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12.5 Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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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
EU Regulations	Classified as hazardous waste: Yes Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

14. TRANSPORT INFORMATION

Dangerous goods No

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).

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. Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on
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Legislation and regulation

the inland transport of dangerous goods. 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.

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. 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).

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.