

SAFETY DATA SHEET

Fomtec AFFF 3% Ultra LT

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Fomtec AFFF 3% Ultra LT

Product no.

10-3026-XX/ UFI code

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Appliance protection

Relevant identified uses of the substance or mixture (REACH)

Not applicable

Uses advised against

Not applicable

1.3. Details of the supplier of the safety data sheet

Company and address

Dafo Fomtec AB

Box 683

SE-13526 Tyresö

Sweden

+46 8 506 405 00

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www.fomtec.com

Contact person

CHR

E-mail

info@fomtec.com

SDS date

2019-10-10

SDS Version

1.0

1.4. Emergency telephone number

NCEC CareChem24: +44 1273 289451

Additional Emergency Phone Number in section 16

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

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.

Storage

Disposal

2.3. Other hazards

Additional labelling

Not applicable

VOC

Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Product/Ingredient name	Identifier number	% w/w	CLP	Note
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: Index No.: 603-096-00-8	15-25%	Eye Irrit. 2, H319	Annex XVII, EU
Sodium decyl sulphate	CAS No.: 142-87-0 EC No.: 205-568-5 REACH No.: Index No.:	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	CAS No.: EC No.: 939-455-3 REACH No.: 01- 2119970722-34-0000 Index No.:	<1%	Eye Dam. 1, H318 Aquatic Chronic 3, H412	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available. Other information

Sodium decyl sulphate has a specific concentration limit (SCL).

EU: European occupational exposure limit

Annex XVII: The chemical substance is subject to REACH restrictions, REACH annex XVII.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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 him/her.

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.

Burns

Not applicable

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 needed

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

The 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 (dial 111, 24 h service) in order to obtain further advice.

SECTION 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

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.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste.

See section on 'Exposure controls/personal protection' for protective measures.

SECTION 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.

See section on 'Exposure controls/personal protection' for information on personal protection.

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)

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

Long term exposure limit (8 hours): 10 ppm Long term exposure limit (8 hours): 67,5 mg/m³ Short term exposure limit (15 minutes): 15 ppm Short term exposure limit (15 minutes): 101,2 mg/m³

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

DNEL / PNEC

Product/Ingredient name	DNEL	Route of exposure	Duration
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	68 mg/m3	Inhalation	Long term – Systemic effects - Workers
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	101,2 mg/m3	Inhalation	Short term – Local effects - Workers
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	83mg/kg	Dermal	Long term – Systemic effects - Workers
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	10 ppm	Inhalation	Long term – Systemic effects - Workers
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	60.7 mg/m3	Inhalation	Short term – Local effects - General population
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	50 mg/kg	Dermal	Long term – Systemic effects - General population
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	5 mg/kg	Oral	Long term – Systemic effects - General population
Sodium decyl sulphate	4060 mg/kg	Dermal	Short term – Systemic effects - Workers
Sodium decyl sulphate	285 mg/m3	Inhalation	Short term – Systemic effects -



			Workers
Sodium decyl sulphate	2440 mg/kg	Dermal	Long term – Systemic effects - General population
Sodium decyl sulphate	85 mg/m3	Inhalation	Long term – Systemic effects - General population
Sodium decyl sulphate	24 mg/kg	Oral	Long term – Systemic effects - General population
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0,33 mg/kg	Dermal	Long term – Systemic effects - Workers
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	1,18 mg/ m3	Inhalation	Long term – Systemic effects - Workers
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0.17 mg/kg	Dermal	Long term – Systemic effects - General population
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0.29 mg/m3	Inhalation	Long term – Systemic effects - General population
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0.17 mg/kg	Oral	Long term – Systemic effects - General population
Product/Ingredient name	PNEC	Route of exposure	Duration of Exposure
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	1.1 mg/L	Freshwater	No data available
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0,11 mg/L	Marine water	No data available
2-(2- butoxyethoxy)ethanol; diethylene glycol	0,44 mg/ L	Marine water sediment	No data available



monobutyl ether			
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	4.4 mg/kg	Freshwater sediment	No data available
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0.32 mg/kg	Soil	No data available
Sodium decyl sulphate	0,095 mg/l	Freshwater	No data available
Sodium decyl sulphate	0,0095 mg/l	Marine water	No data available
Sodium decyl sulphate	1,5 mg/kg	Freshwater sediment	No data available
Sodium decyl sulphate	0,15 mg/kg	Marine water sediment	No data available
Sodium decyl sulphate	0,2445 mg/kg	Soil	No data available
Sodium decyl sulphate	0,086mg7l	Intermittent release	No data available
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0,021 mg/l	Freshwater	Continuous
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0,00152 mg/l	Marine water	No data available
1-Propanaminium, N-(3- aminopropyl)-2-hydroxy- N,Ndimethyl- 3-sulfo-, N- (C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0,697 mg/kg	Marine water sediment	No data available
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	0,0414 mg/kg	Soil	No data available
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	6.97 mg/kg	Freshwater sediment	No data available
1-Propanaminium, N-(3- aminopropyl)-2-hydroxy- N,Ndimethyl- 3-sulfo-, N- (C8-18(even numbered) acyl) derivs., hydroxides, inner salts	100 mg/l	Sewage Treatment Plant	No data available

8.2. Exposure controls



Compliance with the given occupational exposure limits values should be controlled on a regular basis.

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. See occupational hygiene limit values above.

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

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

Recommended	Standards	Type/Category	
Dedicated work clothing should be worn.	-	-	R

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min)	EN Standard(s)	
Vinyl/PVC	0.6	-	-	

Eye protection

Recommended	Standards	
Wear safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

Pale yellow

Odour

Characteristic

Odour threshold (ppm)

No data available

рН



7.3-8.3

Density (g/cm³)

~1.06

Viscosity

<20 mPa.s

Phase changes

Melting point (°C)

⁻⁻²⁵

Boiling point (°C)

No data available

Vapour pressure

No data available

Vapour density

No data available

Decomposition temperature (°C)

No data available

Evaporation rate (n-butylacetate = 100)

No data available

Data on fire and explosion hazards

Flash point (°C)

No data available

Ignition (°C)

No data available

Auto flammability (°C)

No data available

Explosion limits (% v/v)

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

SECTION 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

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information



11.1. Information on toxicological effects Acute toxicity

Product/Ingredient name	Species	Test	Route of exposure	Result
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Mouse	LD50	Oral	2410.00 mg/kg
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Rat	LC50	Inhalation	29.00 ppm
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Rabbit	LD50	Dermal	2764.00 mg/kg
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Rat	LD50	Oral	5660.00 mg/kg
Sodium decyl sulphate	Rat	LD50	Oral	1200.00 mg/kg
Sodium decyl sulphate	Rat	LD50	Dermal	2000.00 mg/kg
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	Rat	LD50	Oral	2950.00 mg/kg
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	Rat	LD50	Dermal	2000.00 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

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.

SECTION 12: Ecological information

12.1. Toxicity

Product/Ingredient name	Species	Test	Duration	Result
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Fish	LC50	96 hours	1300.00 mg/l
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Daphnia	EC50	48 hours	100.00 mg/l
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Algae	EC50	96 hours	100.00 mg/l
Sodium decyl sulphate	Fish	LC50	48 hours	13.00 mg/l
Sodium decyl sulphate	Algae	EC50	72 hours	8.64 mg/l
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	Fish	LC50	96 hours	0.23 mg/l
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	Daphnia	EC50	48 hours	4.00 mg/l
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	Algae	NOEC	72 hours	0.76 mg/l

12.2. Persistence and degradability

Product/Ingredient name	Biodegradability	Test	Result
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Yes	OECD 301 C (Modified MITI Test)	80 %
Sodium decyl sulphate	Yes	OECD 301 D (Closed Bottle)	80 %
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides,	Yes		57 %



inner salts

12.3. Bioaccumulative potential

Product/Ingredient name	Potential bioaccumulation	LogPow	BCF
2-(2- butoxyethoxy)ethanol; diethylene glycol monobutyl ether	No		
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,Ndimethyl- 3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	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.

12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

EWC code

16 03 05*

Organic wastes containing dangerous substances

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 - 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

Not applicable

IMDG

Not applicable

Marine pollutant

No

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

SECTION 15: Regulatory information

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



Restrictions for application

No special conditions required.

Demands for specific education

No special

SEVESO

No specific requirements

Additional information

Not applicable

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

Yes

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H301, Toxic if swallowed.

H302, Harmful if swallowed.

H311, Toxic in contact with skin.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H331, Toxic if inhaled.

H370, Causes damage to organs¤.

H371, May cause damage to organs¤.

H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute

Toxicity Estimate BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SVHC = Substances of Very High Concern



STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by

Regulation (EC) No. 1272/2008 (CLP)

Emergency Phone No.:

France (English, French) +33 1 72 11 00 03

Germany (English, German) + 49 89 220 61 012 / 0800 000 7801/ +49 (0)30 686 700

Spain (English, Spanish) + 34 91114 2520

Italy (English, Italian) + 39 02 3604 2884

Netherlands (English, Dutch) + 31 10713 8195

Middle East (English, Arabic) + 44 1273 289454

United States (English, French, Spanish) + 1 866 928 0789

Canada (English, French) + 1 800 579 7421

United States and Canada (English) + 1 202 464 2554

Mexico (English, Spanish) + 52 55 5004 8763

Brazil (Portuguese, Spanish, English) + 55 11 3197 5891

Chile (English, Spanish) + 56 2 2582 9336

Colombia (English, Spanish) + 57 1 508 7337

Argentina (English, Spanish) + 54 11 5984 3690

East/South East Asia (English, Bahasa Malaysia, Hindi, Japanese, Korean, Mandarin, Tagalog) +65 3158 1412

China (English, Mandarin) + 86 512 8090 3042

China (Mainland) (English, Mandarin) + 86 532 8388 9090

Japan (English, Japanese) + 81 3 4578 9341

Malaysia (English, Malaysian) 60 3 6207 4347

India (English, Hindi) 000 800 100 7479 7479

Philippines (English, Tagalog) + 63 28231 2149

South Korea (English, Korean) + 82 2 3479 8401

Australia (English) 18000 74234

New Zealand (English) + 64 9 929 1483

New Zealand (English) 0800 446 881

The safety data sheet is validated by

CHR

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.