

V-10 Print date: 28.10.21 Page 1 of 22

. STHAMER HAMBURG

SECTION 1: Identification of the substance/mixture and of the company/undertaking						
1.1	Product identifier					
	STHAMEX [®] -AFFF Premium 1% F-25 #4171 UFI: N3JC-80PT-T00T-WE37					
1.2	Relevant identified uses of the	substance or mixture and uses advised against				
	Use of the substance/mixture					
	Fire-extinguishing foam					
1.3	Details of the supplier of the sa	of the supplier of the safety data sheet				
	Manufacturer	Fabrik chemischer Präparate von Dr. R. Sthamer GmbH & Co. KG				
	Street	Liebigstraße 5				
	Postal code/City	D-22113 Hamburg				
	Country	Deutschland				
	Telephone	+49 (0)40/736168-0				
	Telefax	+49 (0)40/736168-60				
	E-mail (competent person)	labor@sthamer.com				
	Website	http://sthamer.com				
	Department responsible for information Dr. Prall, +49 (0)40/736168-31					
	Emergency telephone number	+49 (0)40/736168-0				
1.4	Emergency telephone number					
	GIZ-Nord Poisons Centre of the University of Gö	ittingen				
	Telephone	+49 (0)551/19240				

SECTION 2: Hazards identification

The information in this section and in all following sections (unless otherwise stated) refer to the product in the delivery condition (concentrate). The ready-to-use solutions prepared according to the dilution recommendation are to be classified differently (see Section 16).

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 [CLP] Eye Irrit. 2 H319 - STOT RE 2 H373 2.2 **Label elements** Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms Signal word WARNING Hazard statements H319 Causes serious eye irritation. H373.8 May cause damage to kidneys through prolonged or repeated exposure if swallowed. P262 Precautionary statements Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.... P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin P303+P361+P353 with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Version V09: 25.05.2018 Revision date: 16.10.2021

SD - 4171 - V10 - STHAMEX-AFFF Premium 1% F-25 #4171 - EN



V-10 Print date: 28.10.21 Page 2 of 22

S Dr. STHAMER HAMBURG

Classification procedure Bridging principle "Substantially similar mixtures".
Other hazards
Endocrine disrupting properties
Preparation related information
There are no data available on the mixture itself.
Information on ingredients
1,2-ETHANDIOL:
This substance does not have endocrine disrupting properties with respect to humans.
2-(2-BUTOXYETHOXY)ETHANOL:
This substance does not have endocrine disrupting properties with respect to humans.
OCTYLSULFATE:
This substance does not have endocrine disrupting properties with respect to humans.
DECYLSULFATE:
This substance does not have endocrine disrupting properties with respect to humans.
ALKYLPOLYGLYCOSIDE:
This substance does not have endocrine disrupting properties with respect to humans.
FLUOROSURFACTANT:
This substance does not have endocrine disrupting properties with respect to humans.
Results of PBT and vPvB assessment
Preparation related information
There are no data available on the mixture itself.
Information on ingredients
1,2-ETHANDIOL:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
2-(2-BUTOXYETHOXY)ETHANOL:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
OCTYLSULFATE:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
DECYLSULFATE:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
ALKYLPOLYGLYCOSIDE:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
FLUOROSURFACTANT:
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
This substance does not meet the PBT/VEVD chilena of REACH, Annex An.
The data refer to the product as delivered. The solutions for use produced according to dilution recommendations are to be classified
differently.
Can harm the aquatic fauna when entering surface waters.
Can harm the bacteria population in waste water treatment plants when entering the sewerage system.
Breathing is not possible whilst submerged in the foam. Take care when spraying people!
The product contains fluorosurfactants that are not completely biodegradable.
Concentrated surfactant solutions always pose a danger to aquatic life because they greatly reduce the surface tension of water thus
disrupting all life processes associated with it. In sewage treatment plants, for example, the necessary aeration of the sewage stages can
hindered by the strong foam formation.

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

1,2-ETHANDIOL CAS No.: 107-21-1





V-10 Print date: 28.10.21 Page 3 of 22

EC No.: 203-473-3

REACH No.: 01-2119456816-28-XXXX Concentration: 15 - 20% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07-GHS08; Acute Tox. 4-STOT RE 2; H302-H373.8

2-(2-BUTOXYETHOXY)ETHANOL

CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX Concentration: 25 - 30% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07; Eye Irrit. 2; H319

OCTYLSULFATE

CAS No.: 142-31-4 EC No.: 205-535-5 REACH No.: 01-2119966154-35-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Skin Irrit. 2-Eye Dam. 1; H315-H318

DECYLSULFATE

CAS No.: 142-87-0 EC No.: 205-568-5 REACH No.: 01-2119970328-30-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Acute Tox. 4-Skin Irrit. 2-Eye Dam. 1; H302-H315-H318

ALKYLPOLYGLYCOSIDE

CAS No.: 68515-73-1 EC No.: 500-220-1 REACH No.: 01-2119488530-36-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Eye Dam. 1; H318

FLUOROSURFACTANT

Concentration: 1 - 5% The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

WATER

CAS No.: 7732-18-5 Concentration: 30 - 56% The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

The product does not contain any relevant amounts of substances that are on the SVHC list.

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately. Wash thoroughly the body (shower or bath). Observe risk of aspiration if vomiting occurs. When in doubt or if symptoms are observed, get medical advice.

Following inhalation





V-10 Print date: 28.10.21 Page 4 of 22

Provide fresh air.

Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact

Wash immediately with:: Water

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Nausea Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

If unconscious but breathing normally, place in recovery position and seek medical advice.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

SECTION 5: Firefighting measures

5.1 Extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

The product itself does not burn.

5.3 Advice for firefighters

Regardless of the admixture of a foam agent, extinguishing water can be heavily contaminated with hazardous substances due to the absorption of fire residues and should therefore, if possible, not enter the sewage system or bodies of water.

SECTION 6: Accidental release measures

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

Provide adequate ventilation.

6.2 Environmental precautions

Cover drains.

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Suitable material for taking up Sand Sawdust



S

V-10 Print date: 28.10.21 Page 5 of 22

Dr.STHAMER HAMBURG

Chemical binding agents, containing acids

6.4 **Reference to other sections**

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1	Precautions for safe handling
	Avoid
	Skin contact
	Eye contact
	Wear personal protection equipment (refer to section 8).
	Measures to prevent fire
	The product is not
	oxidising
	Combustible
	Flammable
	Explosive
	Highly flammable
	No special fire protection measures are necessary.
	Environmental precautions
	Shafts and sewers must be protected from entry of the product.
	Advices on general occupational hygiene
	When using do not eat, drink, smoke, sniff.
7.2	Conditions for safe storage, including any incompatibilities
	Technical measures and storage conditions
	Do not store at temperatures above: +50°C
	Requirements for storage rooms and vessels
	Suitable container/equipment material
	Refined steel
	Polyethylene (PE)
	Unsuitable container/equipment material
	Aluminium
	Light metal
	Copper
	Zinc
	Alloy, containing copper
	Alloy, contains light metal
	Iron.
	Steel
	Hints on joint storage
	Storage class
	12: non-combustible liquids that cannot be assigned to any of the above storage classes







V-10 Print date: 28.10.21 Page 6 of 22

7.3 Specific end use(s)

Fire-extinguishing foams based on synthetic surfactants Do not use for cleaning purposes.

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection 8.1 **Control parameters** Substance name: 1,2-ETHANDIOL CAS No.: 107-21-1 REACH No.: 01-2119456816-28-XXXX **United Kingdom** Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (EN) short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (EN) **European Union** Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (EC) short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (EC) Germany Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): AGW (DE) short-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): Peak (DE) Ireland Long-term occupational exposure limit value: 20 ppm; Limit value type (country of origin): TWA (IE) short-term occupational exposure limit value: 40 ppm; Limit value type (country of origin): STEL (IE) Substance name: 2-(2-BUTOXYETHOXY)ETHANOL CAS No.: 112-34-5 REACH No.: 01-2119475104-44-XXXX United Kingdom Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (EN) short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): STEL (EN) **European Union** Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (EC) short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): STEL (EC) Germany Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): AGW (DE) short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): Peak (DE) Ireland Long-term occupational exposure limit value: 10 ppm; Limit value type (country of origin): TWA (IE) short-term occupational exposure limit value: 15 ppm; Limit value type (country of origin): STEL (IE) 8.2 **Exposure controls** Advices on general occupational hygiene Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash contaminated clothing prior to re-use. Wash hands before breaks and after work. Apply skin care products after work. Eye/face protection

Suitable eye protection Eye glasses with side protection



S

V-10 Print date: 28.10.21 Page 7 of 22

Dr. STHAMER HAMBURG

goggles Face protection shield Recommended eye protection articles DIN EN 166

Hand protection

Suitable gloves type Gloves with long cuffs Suitable material NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) Breakthrough time 120 min. Thickness of the glove material > 0.6 mm Recommended glove articles EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration. Body protection

Body protection: not required.

Respiratory protection Usually no personal respirative protection necessary.

Environmental exposure controls

Store concentrate according to national regulations. Do not let the concentrate get into the environment. If possible, hold back the application solution and dispose of after use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Physical state			:	Liquid		
b)	Colour Odour Melting point/freezing point Melting point/freezing point		:	colourless / yellow			
C)			:	Glycol, Ether, Surfactant			
d)			:	-25°C	EN 1568:2018	3	
e)			:	> 100°C	DIN 51751		
f)	Flammability		:	not applicable			
g)	Lower and upper explosion limit/flammability						
	limit			:	No data available		
h)	Flash point			:	No flash point up to 100 °C.		
i)	Ignition temperature in °C			:	not applicable		
j)	Decomposition tempera	ature		:	No data available		
k)	рН	at °C	20	:	6,5 - 8,5	DIN 19268	
I)	Viscosity	at °C	20	:	< 20 mm²/s	DIN 51562	Newton
		at °C	-25	:	< 200 mm²/s	DIN 51562	Newton
m)	Solubility			:	Water: completely miscible	OECD 105	
n)	Partition coefficient n-o	ctanol/water (log	9		•		
	value)			:	not applicable		
o)	Vapour pressure			:	No data available		
p)	Density and/or relative						
	density	at °C	20	:	1,030 - 1,070 g/ml	DIN 12791	

Revision date: 16.10.2021 SD - 4171 - V10 - STHAMEX-AFFF Premium 1% F-25 #4171 - EN



S

V-10 Print date: 28.10.21 Page 8 of 22

Dr.STHAMER HAMBURG

q)	Relative vapour density	:	No data available		
r)	particle characteristics	:	not applicable		
^ +	her information				
Information with regard to physical hazard classes					
a)	Explosives		not applicable		
-, b)	Explosives	:	not applicable		
c)	Aerosols	:	not applicable		
d)	Oxidising gas		not applicable		
e)	Gases under pressure		not applicable		
f)	Flammable liquids		not applicable		
, g)	Flammable solids		not applicable		
h)	Self-reactive substances and mixtures	:	not applicable		
i)	Pyrophoric liquids	:	not applicable		
j)	Pyrophoric solids	:	not applicable		
<i>k</i>)	Self-heating substances and mixtures	:	not applicable		
I)	Substances or mixtures which, in contact wi	th			
	water, emit flammable gases	:	not applicable		
m)	Oxidising liquids	:	not applicable		
n)	Oxidizing solids	:	not applicable		
o)	Organic peroxides	:	not applicable		
p)	Corrosive to metals	:	See section 7 of the safety data sheet.		
q) Desensitised explosives		:	not applicable		
Ot	her safety characteristics				
a)	Mechanical sensitivity	:	not applicable		
b)	Self-accelerating polymerisation temperature	е			
	(SAPT)	:	not applicable		
C)	formation of explosible dust/air mixtures	:	not applicable		
d)	acid/alkaline reserve	:	not applicable		
e)	Evaporation rate	:	No data available		
f)	miscibility	:	Water: completely miscible		
g)	Conductivity	:	~ 1800 µS/cm		
h)	Corrosiveness	:	Skin corrosion/irritation: none		
			Serious eye damage/irritation: irritant		
i)	gas group	:	not applicable		
j)	Redox potential	:	not applicable		
k)	radical formation potential	:	not applicable		
I)	photocatalytic properties	:	not applicable		

Breathing is not possible whilst submerged in the foam. Take care when spraying people!

SECTION 10: Stability and reactivity

10.1 Reactivity

Materials to avoid Alkali (lye), concentrated Alkali metals Acid, concentrated Oxidising agent, strong Reducing agent, strong





V-10 Print date: 28.10.21 Page 9 of 22

Acid	hal	ides
Acid	hal	ides

10.2	Chemical stability
	No special measures are necessary.
10.3	Possibility of hazardous reactions
	No special measures are necessary.
10.4	Conditions to avoid
	Do not store at temperatures above: +50°C
10.5	Incompatible materials
	See section 7. No additional measures necessary.
10.6	Hazardous decomposition products
	Pyrolysis products, containing fluorine
	Fluorinated hydrocarbons
	Hydrofluoric acid

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test was carried out with a similar preparation/mixture.

a) Acute toxicit	у							
Acute oral toxicity								
Preparation related information								
LD50	> 2000 mg/kg	The acute oral toxicity is corresponding to GHS-category 5.						
Species	Rat							
Method	Bridging principle "S	ubstantially similar mixtures".						
Information on ing	redients							
1,2-ETHANDIOL:								
LD50 (7d	l) 2310 mg/kg ==>							
Harmful i	f swallowed.							
(Source:	ECHA database «Reg	gistered substances»)						
2-(2-BUTOXYETH	,							
•	ld) 5530 mg/kg ==>							
	•	ponding to GHS-category 5.						
``	ECHA database «Reg	gistered substances»)						
OCTYLSULFATE	-							
•	ld) > 2000 mg/kg ==>							
	•	ponding to GHS-category 5.						
(Source: DECYLSULFATE	ECHA database «Reg	jistered substances»)						
	: ld) 1200 mg/kg ==>							
(f swallowed.							
	ECHA database «Rec	vietered substances»)						
ALKYLPOLYGLY								
	ld) > 2000 mg/kg ==>							
	, .	ponding to GHS-category 5.						
	ECHA database «Rec							
FLUOROSURFAC	-	,						
	ld) > 5000 mg/kg ==>							
(,							





V-10 Print date: 28.10.21 Page 10 of 22

(
	Source: Safety Data Sheet)
Acute de	rmal toxicity
	on related information
	no data available on the mixture itself.
	n on ingredients
1,2-ETHA	
	.D50 (14d) > 3500 mg/kg ==>
	The acute dermal toxicity is corresponding to GHS-category 5.
	Source: ECHA database «Registered substances»)
•	OXYETHOXY)ETHANOL: _D50 (1d) 2764 mg/kg ==>
	The acute dermal toxicity is corresponding to GHS-category 5. Source: ECHA database «Registered substances»)
OCTYLS	- · ·
	_D50 (14d) > 2000 mg/kg ==>
	The acute dermal toxicity is corresponding to GHS-category 5.
	Source: ECHA database «Registered substances»)
DECYLS	
	_D50 (14d) > 2000 mg/kg ==>
	The acute dermal toxicity is corresponding to GHS-category 5.
	Source: ECHA database «Registered substances»)
	DLYGLYCOSIDE:
	_D50 (14d) > 2000 mg/kg ==>
	The acute dermal toxicity is corresponding to GHS-category 5.
	Source: ECHA database «Registered substances»)
	SURFACTANT:
1	No data available
1 1	No data available No information available. No classification in the above-mentioned hazard class
1 1	No data available
1 1)	No data available No information available. No classification in the above-mentioned hazard class
ו ו (Acute inf	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet)
l (Acute inh <u>Preparatic</u>	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) nalation toxicity
r Acute inh <u>Preparatio</u> There are	No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Intelated information no data available on the mixture itself.
Acute inh Preparatio There are Informatio	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) Intelated information In data available on the mixture itself. In on ingredients
Acute inh Preparatio There are Informatio 1,2-ETHA	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) nalation toxicity on related information no data available on the mixture itself. on on ingredients INDIOL:
Acute inh Preparatio There are Informatic 1,2-ETHA	No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. on on ingredients (NDIOL: _C50 (6h) > 2,5 mg/L ==>
Acute inh Preparatic There are Informatic 1,2-ETHA	No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. no ningredients <i>INDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5.
r Acute inh Preparatic There are Informatic 1,2-ETHA I	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. no ningredients <i>INDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances»)
Acute inh Preparatic There are Informatic 1,2-ETHA I - - (2-(2-BUT	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. in on ingredients <i>NDIOL:</i> .C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>OXYETHOXY</i>) <i>ETHANOL:</i>
Acute inh Preparatio There are Informatic 1,2-ETHA 1 - (2-(2-BUT)	No data available No information available. No classification in the above-mentioned hazard class [Source: Safety Data Sheet] malation toxicity on related information no data available on the mixture itself. no ningredients <i>NDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>OXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==>
Acute inh Preparatio There are Informatic 1,2-ETHA (2-(2-BUT)	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. <u>no ningredients</u> <i>NDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>OXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5.
Acute inh Preparatio There are Informatic 1,2-ETHA (2-(2-BUT)	No data available No information available. No classification in the above-mentioned hazard class [Source: Safety Data Sheet] malation toxicity on related information no data available on the mixture itself. <u>no ningredients</u> <i>NDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>OXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances»)
Acute inh Preparatic There are Informatic 1,2-ETHA (2-(2-BUT) (2-(2-BUT) (0 CCTYLS)	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. on on ingredients <i>NDIOL:</i> LC50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>JLFATE:</i>
Acute inh Preparatic There are Informatic 1,2-ETHA (2-(2-BUT(2-(2-BUT(0 (0CTYLS)	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. on on ingredients <i>NDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>JLFATE:</i> No data available
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Acute inh Preparatic There are Informatic 1,2-ETHA 1 - (2-(2-BUTC 1 - (0 CTYLSI 1 1 1 1 1 1 1 1 1 1 1 1 1	No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet) malation toxicity on related information no data available on the mixture itself. no on ingredients <i>NDIOL:</i> _C50 (6h) > 2,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>DXYETHOXY</i> / <i>ETHANOL:</i> NOEC (2h) 29 ppm ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. Source: ECHA database «Registered substances») <i>JLFATE:</i> No data available No information available. No classification in the above-mentioned hazard class Source: Safety Data Sheet)
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V-10 Print date: 28.10.21 Page 11 of 22

	URFACTANT: o data available
No	p information available. No classification in the above-mentioned hazard class
	ource: Safety Data Sheet)
h) Skin c	orrosion/irritation
	related information
non-irritant.	
Species	 Drideir e a inciale "Outedaatiellu similes mistures"
Method	Bridging principle "Substantially similar mixtures".
	on ingredients
1,2-ETHAN	
	n-irritant.
	ource: Safety Data Sheet)
•	XYETHOXY)ETHANOL:
	n-irritant.
OCTYLSUL	ource: Safety Data Sheet)
	auses skin irritation.
DECYLSU	ource: Safety Data Sheet)
	auses skin irritation.
	ource: Safety Data Sheet) .YGLYCOSIDE:
	n-iritant.
	ource: Safety Data Sheet)
•	URFACTANT:
	n-initant.
	ource: Safety Data Sheet)
(C	
c) Seriou	is eye damage/irritation
c) Seriou	
c) Seriou Preparation	is eye damage/irritation
c) Seriou Preparation Causes eye	is eye damage/irritation
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c) Seriou Preparation Causes eye Species Method	as eye damage/irritation <u>i related information</u> e irritation. Bridging principle "Substantially similar mixtures". <u>on ingredients</u>
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN	as eye damage/irritation <u>i related information</u> e irritation. Bridging principle "Substantially similar mixtures". <u>on ingredients</u>
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN nc	Is eye damage/irritation <u>related information</u> = irritation. Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i> on-irritant.
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN nc (S	Is eye damage/irritation <u>related information</u> e irritation. Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i>
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN nc (S 2-(2-BUTO,	a <u>related information</u> a irritation. Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i> nirritant. ource: Safety Data Sheet)
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN nc (S 2-(2-BUTO, Ca	a related information a irrelated information b irritation. Bridging principle "Substantially similar mixtures". on ingredients IDIOL: on-irritant. ource: Safety Data Sheet) XYETHOXY)ETHANOL:
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN (S 2-(2-BUTO) Ca (S	as eye damage/irritation <u>related information</u> e irritation. — Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i> on-irritant. ource: Safety Data Sheet) <i>XYETHOXYJETHANOL:</i> auses serious eye irritation. ource: Safety Data Sheet)
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN nc (S 2-(2-BUTO, Ca (S OCTYLSU	as eye damage/irritation <u>related information</u> e irritation. — Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i> on-irritant. ource: Safety Data Sheet) <i>XYETHOXYJETHANOL:</i> auses serious eye irritation. ource: Safety Data Sheet)
c) Seriou Preparation Causes eye Species Method Information 1,2-ETHAN (S 2-(2-BUTO) Ca (S OCTYLSUI	as eye damage/irritation <u>related information</u> e irritation. — Bridging principle "Substantially similar mixtures". <u>on ingredients</u> <i>IDIOL:</i> pn-irritant. ource: Safety Data Sheet) XYETHOXY)ETHANOL: auses serious eye irritation. ource: Safety Data Sheet) <i>LFATE:</i>
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V-10 Print date: 28.10.21 Page 12 of 22

S Dr. STHAMER HAMBURG

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	xture itself.		
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dications of human gen	n cell mutagenicity	exist.	
rce: Safety Data Sheet)	• •		
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dications of human gen	m cell mutagenicity	exist.	
	n ingredients (OL: ndications of human gerr irce: Safety Data Sheet) (/ETHOXY)ETHANOL: ndications of human gerr irce: Safety Data Sheet) ATE: ndications of human gerr irce: Safety Data Sheet) ATE: ndications of human gerr irce: Safety Data Sheet) GLYCOSIDE: ndications of human gerr	Il mutagenicity <u>elated information</u> data available on the mixture itself. <u>in ingredients</u> <i>IOL:</i> ndications of human germ cell mutagenicity <i>irce:</i> Safety Data Sheet) <i>/ETHOXY)ETHANOL:</i> ndications of human germ cell mutagenicity <i>irce:</i> Safety Data Sheet) <i>ATE:</i> ndications of human germ cell mutagenicity <i>irce:</i> Safety Data Sheet) <i>ATE:</i> ndications of human germ cell mutagenicity <i>irce:</i> Safety Data Sheet) <i>ATE:</i> ndications of human germ cell mutagenicity <i>irce:</i> Safety Data Sheet) <i>GLYCOSIDE:</i> ndications of human germ cell mutagenicity	II mutagenicity elated information data available on the mixture itself. ingredients IOL: ndications of human germ cell mutagenicity exist. rce: Safety Data Sheet) //ETHOXY)ETHANOL: ndications of human germ cell mutagenicity exist. wrce: Safety Data Sheet) ATE: ndications of human germ cell mutagenicity exist. wrce: Safety Data Sheet) ATE: ndications of human germ cell mutagenicity exist. wrce: Safety Data Sheet) ATE: ndications of human germ cell mutagenicity exist. wrce: Safety Data Sheet) ATE: ndications of human germ cell mutagenicity exist. wrce: Safety Data Sheet) GLYCOSIDE: ndications of human germ cell mutagenicity exist.



V-10 Print date: 28.10.21 Page 13 of 22

S Dr. STHAMER HAMBURG

	ation of human carcinogen	icity.	
(Source	: Safety Data Sheet)		
DECYLSULFAT	<u>=</u> :		
No indic	ation of human carcinogen	icity.	
(Source	: Safety Data Sheet)		
ALKYLPÔLYGĽ			
	ation of human carcinogen	icity	
	: Safety Data Sheet)	loity.	
FLUOROSURFA			
		ioit /	
	ation of human carcinogen	icity.	
(Source	: Safety Data Sheet)		
g) Reproducti	ve toxicitv		
Preparation relate	•		
	a available on the mixture it	colf	
		5611.	
Information on in			
1,2-ETHANDIOL			
	ations of human reproducti	ve toxicity exist.	
	: Safety Data Sheet)		
	HOXY)ETHANOL:		
No indic	ations of human reproducti	ve toxicity exist.	
(Source	: Safety Data Sheet)		
OCTYLSÙLFAT	• ,		
No indic	ations of human reproducti	ve toxicity exist.	
	: Safety Data Sheet)		
DECYLSULFAT	• ,		
	ations of human reproducti	ve toxicity exist	
	: Safety Data Sheet)		
ALKYLPOLYGL			
	ations of human reproducti	vo tovicitu ovict	
	: Safety Data Sheet)		
FLUOROSURFA			
	ations of human reproducti	ve toxicity exist.	
(Source	: Safety Data Sheet)		
h) STOT-singl	e exposure		
Preparation relate	-		
		aalf	
	a available on the mixture it	self.	
Information on in			
1,2-ETHANDIOL			
	wn symptoms to date.		
(Source	: Safety Data Sheet)		
2-(2-BUTOXYET	HOXY)ETHANOL:		
	wn symptoms to date.		
	: Safety Data Sheet)		
OCTYLSULFAT			
	 wn symptoms to date.		
	: Safety Data Sheet)		
DECYLSULFAT	• ,		
	wn symptoms to date.		
	: Safety Data Sheet)		
ALKYLPOLYGL			
	wn symptoms to date.		
	: Safety Data Sheet)		
FLUOROSURFA			
No knov	wn symptoms to date.		



V-10 Print date: 28.10.21 Page 14 of 22

S Dr. STHAMER HAMBURG

	(Source: Safety Data Sheet)
	i) STOT-repeated exposure
	Preparation related information
	There are no data available on the mixture itself.
	Information on ingredients
	1,2-ETHANDIOL:
	May cause damage to kidneys through prolonged or repeated exposure if swallowed.
	(Source: Safety Data Sheet)
	2-(2-BUTOXYETHOXY)ETHANOL:
	No known symptoms to date.
	(Source: Safety Data Sheet) OCTYLSULFATE:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	DECYLSULFATE:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	ALKYLPOLYGLYCOSIDE:
	No known symptoms to date.
	(Source: Safety Data Sheet) FLUOROSURFACTANT:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	(
	j) Aspiration hazard
	Preparation related information
	There are no data available on the mixture itself.
	Information on ingredients
	1,2-ETHANDIOL:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	2-(2-BUTOXYETHOXY)ETHANOL:
	No known symptoms to date. (Source: Safety Data Sheet)
	OCTYLSULFATE:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	DECYLSULFATE:
	No known symptoms to date.
	(Source: Safety Data Sheet)
	ALKYLPOLYGLYCOSIDE:
	No known symptoms to date. (Source: Safety Data Sheet)
	FLUOROSURFACTANT:
	No known symptoms to date.
	(Source: Safety Data Sheet)
11.2	Information on other hazards
	Endocrine disrupting properties
	Preparation related information
	There are no data available on the mixture itself.
	Information on ingredients
	1,2-ETHANDIOL:

This substance does not have endocrine disrupting properties with respect to humans.

(Source: Safety Data Sheet)



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V-10 Print date: 28.10.21 Page 15 of 22

Dr. STHAMER HAMBURG

2-(2-BUTOXYETHOXY)ETHANOL: This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet) OCTYLSULFATE: This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet) DECYLSULFATE: This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet) ALKYLPOLYGLYCOSIDE: This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet) FLUOROSURFACTANT: This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet) Other information

Breathing is not possible whilst submerged in the foam. Take care when spraying people!

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) fish to:	xicity					
Preparation related information	<u>tion</u>					
Effective dose LC	: 50	~ 2800	n	ng/L		
Exposure time	:	96 h				
Species	:	Leuciscus i	idus (g	jolden orfe)		
Method	:	On basis of	f test d	lata.: OECD 203	3	
Information on ingredients						
1,2-ETHANDIOL:						
LC50 (96h) > 7286	60 mg/L					
(Source: ECHA da	atabase	«Registered	substa	ances»)		
2-(2-BUTOXYETHOXY)ET	HANOL	:				
LC50 (96hr) 1300r	mg/L					
(Source: ECHA da	atabase	«Registered	substa	ances»)		
OCTYLSULFATE:						
LC50 (96h) > 100	mg/L; N	OEC (96h) 1	100 mg	g/L		
(Source: ECHA da	atabase	«Registered	substa	ances»)		
DECYLSULFATE:						
LC50 (48h) 13 mg	/L					
(Source: ECHA da		«Registered	substa	ances»)		
ALKYLPOLYGLYCOSIDE:						
LC50 (96h) 100,8 ²	•					
(Source: ECHA da	atabase	«Registered	substa	ances»)		
FLUOROSURFACTANT:						
No data available						
(Source: Safety Da	ata Shee	et)				
• • • • • • • • • •						
Acute (short-term) toxicity		stacea				
Preparation related information						
Effective dose EC	: 250	~ 250	n	ng/L		
Exposure time	:	48 h				
Species	:	Daphnia ma	agna (Big water flea)		
Method	:	On basis of	f test d	lata.: OECD 202	2	
Information on ingredients						



V-10 Print date: 28.10.21 Page 16 of 22

S Dr. STHAMER HAMBURG

1,2-ETHANDIOL: EC50 (48	h) > 13900 mg	n/l						
	ECHA databas	-	d substance	e»)				
2-(2-BUTOXYETH		-		,				
	r) > 1101 mg/							
· ·	CHA databas		ed substance	es»)				
OCTYLSULFATE:		0		,				
EC50 (48	n) > 100 mg/L;	NOEC (48 h	n) 100 mg/L					
(Source: E	CHA databas	e «Registere	ed substance	es»)				
DECYLSULFATE:								
,	n) > 100 mg/L							
	ECHA databas	e «Registere	ed substance	es»)				
ALKYLPOLYGLYC								
,	n) > 100 mg/L	D		,				
•	ECHA databas	e «Registere	ed substance	es»)				
FLUOROSURFAC No data a								
	Safety Data Sh	loot)						
	alety Data Off							
Acute (short-term	toxicity to al	dae and cva	anobacteria					
Preparation related	-	J						
Effective dose	EC50	: ~ 50	mg/L					
Exposure time		: 72 h	5					
Species			smus subspi	catus				
Method			of test data.)1			
Information on ingre	dients							
1,2-ETHANDIOL:								
,	n) > 6500 mg/L	.; NOEC (96	h) 479 mg/L					
(Source: E	CHA databas	e «Registere	ed substance	es»)				
2-(2-BUTOXYETH	OXY)ETHANC	DL:						
	n) 1 101 mg/L							
,	ECHA databas	e «Registere	ed substance	es»)				
OCTYLSULFATE:								
•	n) > 511 mg/L;	•		,				
•	ECHA databas	e «Registere	ed substance	es»)				
DECYLSULFATE:	n) 8,64 mg/L; N		0 05 ma/l					
	ECHA databas			e»)				
				:5//)				
	n) 27,22 mg/L;	NOFC (72h) 6 25 ma/l					
•	ECHA databas		,	s»)				
FLUOROSURFAC								
No data a								
(Source: S	Safety Data Sh	leet)						
Effects in sewage								
Preparation related								
Analytical method			-		-			
1300 mg/L	• • • •	centration			Dilution	: > 769		
130000 mg/L		centration			Dilution	:>8		
Method	: On basis o	t test data.: [DIN 38412/pa	art 3 (TTC)			
Information on ingra	dients							
1,2-ETHANDIOL:								
	5h) > 1995 mg			,				
•	CHA databas	-	ed substance	es»)				
2-(2-BUTOXYETH	JXY)ETHANC)L:						





V-10 Print date: 28.10.21 Page 17 of 22

	NOEC (0,5h) 1995 mg							
	OCTYLSULFATE:	ase «Registered substances»)						
	EC50 (3h) 135 mg/L							
		ase «Registered substances»)						
	DECYLSULFATE:							
	EC50 (3h) 135 mg/L							
	., .	ase «Registered substances»)						
	ALKYLPOLYGLYCOSIDE:							
	EC50 (6h) > 560 mg/L							
		ase «Registered substances»)						
	FLUOROSURFACTANT:							
	No data available							
	(Source: Safety Data	Sheet)						
	The product contains fluorosurf	actants that are not completely biodegradable.						
	Some of the components are p							
	Remark							
	Observe local regulations conce	erning effluent treatment.						
	Special pre-treatments are nece	essary.						
12.2	Persistence and deg	radability						
	Biodegradation							
	Preparation related information							
	Readily biodegradable (accordi	• ,						
	Additional information	: The product contains fluorosurfactants that are not completely biodegradable.						
	Degradation rate	: ~ 83,1%						
	Test duration	: 21 d						
	Analytical method	: BOD (% of COD).						
	Method	: On basis of test data.: OECD 301F						
	Туре	: Aerobic biological treatment						
	Information on ingredients							
	1,2-ETHANDIOL: > 90% (10d) OECD 30	214						
		e (according to OECD criteria).						
		ase «Registered substances»)						
	2-(2-BUTOXYETHOXY)ETHAI							
	92% (28d) OECD 301							
		e (according to OECD criteria).						
	(Source: ECHA database «Registered substances»)							
	OCTYLSULFATE:							
	93,5% (29d) OECD 301 B							
	Readily biodegradable (according to OECD criteria).							
	(Source: ECHA database «Registered substances»)							
	DECYLSULFATE:							
	92% (30d) OECD 301 D							
	Readily biodegradable (according to OECD criteria). (Source: ECHA database «Registered substances»)							
	ALKYLPOLYGLYCOSIDE:							
	70% (28d) OECD 301	A						
		e (according to OECD criteria).						
		ase «Registered substances»)						
	FLUOROSURFACTANT:							
	No data available							



V-10 Print date: 28.10.21 Page 18 of 22

S Dr. STHAMER HAMBURG

	No classification in t (Source: Safety Dat		ed hazard c	lass						
	Chemical oyxgen demand	(COD)								
	~ 1065000 mg*O2/L		: 100%	Method	DIN EN 38409-H4	11_1				
	~ 10650 mg*O2/L		: 100 <i>%</i>	Method	DIN EN 38409-H4					
	Biochemical oxygen dema	nd								
			. 1000/	Method		Test duration	F .			
	~ 600000 mg*O2/L ► ~ 6000 mg*O2/L ►		: 100% : 1%	Method	DIN EN 1899-1 DIN EN 1899-1	Test duration Test duration	5 (5 (
	BOD5/COD ratio									
	56%									
12.3	Bioaccumulative p	otential								
	Preparation related information	<u>on</u>								
	There are no data available of	on the mixture itsel	f.							
	Information on ingredients									
	1,2-ETHANDIOL:									
	log Kow -1,36									
	No indication of bioa	accumulation pote	ntial.							
	(Source: ECHA data	abase «Registered	d substances	s»)						
	2-(2-BUTOXYETHOXY)ETH	IANOL:								
	log Kow < 3									
	No indication of bioa	accumulation pote	ntial.							
	(Source: ECHA data			s»)						
	OCTYLSULFATE:			<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	log Pow < -2.31									
	•	nonumulation noto	ntial							
	No indication of bioa)						
	(Source: ECHA data	abase «Registered	a substances	s»)						
	DECYLSULFATE:									
	log Pow 1.72									
	No indication of bioa									
	(Source: ECHA database «Registered substances»)									
	ALKYLPOLYGLYCOSIDE:									
	log Kow < 1,77									
	No indication of bioa	accumulation pote	ntial.							
	(Source: ECHA data			s»)						
	FLUOROSURFACTANT:	-								
	No data available									
	No information avail	lable. No classifica	ation in the a	bove-mentioned	hazard class					
	(Source: Safety Dat	ta Sheet)								
12.4	Mobility in soil									
	If product enters soil, it will be	e mobile and may	contaminate	groundwater.						
	•	,		0						
12.5	Results of PBT and	l vPvB asses	ssment							
	Preparation related information	on								
	There are no data available of		f							
	Information on ingredients		••							
	1,2-ETHANDIOL:		T (.D .D .''							
	This substance doe	ic not moot the UK	UVPVR crite							
	/ o o o o o o o o o o									
	(Source: Safety Dat 2-(2-BUTOXYETHOXY)ETH	ta Sheet)								





V-10 Print date: 28.10.21 Page 19 of 22

(Source: Safety Data Sheet) OCTYLSULFATE:	
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
(Source: Safety Data Sheet) DECYLSULFATE:	
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
(Source: Safety Data Sheet)	
ALKYLPOLYGLYCOSIDE:	
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
(Source: Safety Data Sheet)	
FLUOROSURFACTANT:	
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
(Source: Safety Data Sheet)	
(bourse, bailety baile officer)	
42 6 Endeaving diamenting properties	
12.6 Endocrine disrupting properties Preparation related information	
There are no data available on the mixture itself.	
Information on ingredients	
1,2-ETHANDIOL:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet)	
2-(2-BUTOXYETHOXY)ETHANOL:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet)	
OCTYLSULFATE:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet) DECYLSULFATE:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet)	
ALKYLPOLYGLYCOSIDE:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet)	
FLUOROSURFACTANT:	
This substance does not have endocrine disrupting properties with respect to humans.	
(Source: Safety Data Sheet)	
12.7 Other adverse effects	
The product contains fluorosurfactants that are not completely biodegradable.	

SECTION 13: Disposal considerations

13.1	Waste	treatment methods					
	Waste dis	posal according to directive 2008/98/EC, covering waste and dangerous waste.					
	Dispose o	f waste according to applicable legislation.					
	Waste codes/waste designations according to EWC/AVV						
	Waste co	de product					
	16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST					
	1603	off-specification batches and unused products					
	160305*	organic wastes containing dangerous substances					
	Waste code packaging						
	15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED					





V-10 Print date: 28.10.21 Page 20 of 22

packaging (including separately collected municipal packaging waste)
 packaging containing residues of or contaminated by dangerous substances

Remark

Delivery to an approved waste disposal company. Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

none

14.2 UN proper shipping name

not applicable

14.3 Transport hazard class(es)

Land transport (ADR/RID) No dangerous good in sense of these transport regulations. Inland waterway craft (ADN) No dangerous good in sense of these transport regulations. Sea transport (IMDG) No dangerous good in sense of these transport regulations. Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

14.4 Packing group

not applicable

14.5 Environmental hazards

none

Marine pollutant : No

14.6 Special precautions for user

none

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer. not applicable Regulation (EC) No. 304/2003 of the European parliament and of the council concerning the export and import of dangerous chemicals not applicable Directive 96/59/EC (PCB-guideline) not applicable

Revision date: 16.10.2021 SD - 4171 - V10 - STHAMEX-AFFF Premium 1% F-25 #4171 - EN



V-10 Print date: 28.10.21 Page 21 of 22

R. STHAMER HAMBURG

Regulation (EC) No. 648/2004 (Detergents regulation) The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline). Volatile organic compounds (VOC) content in percent by weight:: max. 30 Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases not applicable Regulation (EC) No 2019/1021 [POP/PFOS-Regulation] The product fulfills all requirements and limit values of this EU regulation. Regulation (EC) No 2020/784 [PFOA-Regulation] The product fulfills all requirements and limit values of this EU regulation. Regulation (EC) No 2021/1297 [C9-C14-PFCA-Regulation] The product fulfills all requirements and limit values of this EU regulation. National regulations Störfallverordnung This product is not classified according to StörfallVO. Water hazard class slightly hazardous to water (WGK 1) Self-classification according to AwSV (mixture).

Annex Chemikalien-Verbotsverordnung (ChemVerbotsV) not applicable

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

The product described in the Safety Data Sheet may only be used for its intended purpose. For exercises please observe the recommendations of the technical committee of BMU/LAMA. The details in this safety data sheet are based on today's stand of our knowledge and is applicable to the product with regard to appropriate safety precautions. They do not represent any guarantee of the properties of the product and do not establish any legal relationship.

Please refer to our internet website for more information: www.sthamer.com

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Classification for the 1% application solution of STHAMEX-AFFF Premium 1% F-25 #4171:

The information in this safety data sheet only applies to the unchanged product in the delivery condition. An application solution prepared therefrom by diluting it with water as recommended usually has significantly fewer hazardous features due to the dilution principle and can even be unclassified. See also the environmental data sheet provided by us.

Relevant R-, H- and EUH-phrases (Number and full text)





V-10 Print date: 28.10.21 Page 22 of 22

H302	Harmful if swallowed or if inhaled.
H315	Causes skin and eye irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373.8	May cause damage to kidneys through prolonged or repeated exposure if swallowed.