



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)/(EU) 2020/878

STHAMEX[®] FXS IAF 3% F-10 #2355



SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 **Product identifier** STHAMEX[®] FXS IAF 3% F-10 #2355 UFI: C6H6-407W-M003-NFV2 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 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 Göttingen +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).

	Cleasification according to D	anulation (EC) No 4272/	
	Classification according to R Skin Irrit. 2 H315 - Eye Irrit. 2 H	• • •	
2.2	Label elements		
	Labelling according to Regul	ation (EC) No. 1272/2008	S[CLP]
	Hazard pictograms		
			•
			\mathbf{V}
	Signal word	WARNING	
	Hazard statements	H315	Causes skin and eye irritation.
		H319	Causes serious eye irritation.
		H412	Harmful to aquatic life with long lasting effects.
	Precautionary statements	P262	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.
		P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with





		P305+P351+P338	water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Classification procedure	Bridging principle "Su	ubstantially similar mixtures".
2.3	Other hazards		
	Endocrine disrupting properties	;	
	Preparation related information		
	There are no data available on the	mixture itself.	
	Information on ingredients 1-BUTOXY-2-PROPANOL:		
	This substance does not SODIUM-ALKYLETHERSULFAT		ing properties with respect to humans.
	This substance does not SODIUM-ALKYLETHERSULFAT	-	ing properties with respect to humans.
	This substance does not DODECANOL:	have endocrine disrupt	ing properties with respect to humans.
	This substance does not TETRADECANOL:	have endocrine disrupt	ing properties with respect to humans.
	This substance does not INGREDIENTS NOT CLASSIFIEI		ing properties with respect to humans. IBSTANCES:
	This substance does not	have endocrine disrupt	ing properties with respect to humans.
	Results of PBT and vPvB asses	sment	
	Preparation related information		
	There are no data available on the	mixture itself.	
	Information on ingredients 1-BUTOXY-2-PROPANOL:		
		most the DPT/vDvP crit	teria of REACH, Annex XIII.
	SODIUM-ALKYLETHERSULFAT		
			teria of REACH, Annex XIII.
	SODIUM-ALKYLETHERSULFAT		
			teria of REACH, Annex XIII.
	DODECANOL:		
	This substance does not	meet the PBT/vPvB crit	teria of REACH, Annex XIII.
	TETRADECANOL:		
	This substance does not	meet the PBT/vPvB crit	teria of REACH, Annex XIII.
	INGREDIENTS NOT CLASSIFIEI	O AS HAZARDOUS SU	BSTANCES:
	The substances in the m	ixture do not meet the P	PBT/vPvB criteria according to REACH, annex XIII.
	The data refer to the product as de	elivered. The solutions for	or use produced according to dilution recommendations are to be classified differently.
	Can harm the aquatic fauna when	entering surface waters	S.
			t plants when entering the sewerage system.
	Breathing is not possible whilst sul	•	
		• • •	o aquatic life because they greatly reduce the surface tension of water thus disrupting
	all life processes associated with it the strong foam formation.	. In sewage treatment p	plants, for example, the necessary aeration of the sewage stages can be hindered by

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

1-BUTOXY-2-PROPANOL CAS No.: 5131-66-8 EC No.: 225-878-4 REACH No.: 01-2119475527-28-XXXX



Concentration: 20 - 25% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07; Skin Irrit. 2-Eye Irrit. 2; H315-H319

SODIUM-ALKYLETHERSULFATE

CAS No.: 157707-85-2 EC No.: 605-106-6 REACH No.: ausgenommen Concentration: 10 - 15% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Skin Irrit. 2-Eye Dam. 1; H315-H319

NATRIUM-ALKYLETHERSULFAT

CAS No.: 68891-38-3 EC No.: 500-234-8 REACH No.: 01-2119488639-16-XXXX Concentration: 1 - 5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS05; Skin Irrit. 2-Eye Dam. 1-Aquatic Chronic 3; H315-H318-H412

DODECANOL

CAS No.: 112-53-8 EC No.: 203-982-0 REACH No.: 01-2119485976-15-XXXX Concentration: 0,25 - 2,5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07-GHS09; Eye Irrit. 2-Aquatic Acute 1-Aquatic Chronic 2; H319-H400-H411

TETRADECANOL

CAS No.: 112-72-1 EC No.: 204-000-3 REACH No.: 01-2119485910-33-XXXX Concentration: 0,25 - 2,5% Classification according to Regulation (EC) No 1272/2008 [CLP]: GHS07-GHS09; Eye Irrit. 2-Aquatic Chronic 1; H319-H410

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES

Concentration: 5 - 10% The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].

WATER

CAS No.: 7732-18-5 Concentration: 40 - 63,5% 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.

For full text of Hazard- and EU Hazard-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

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

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



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.
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
3	Specific end use(s)
	Fire-extinguishing foams based on synthetic surfactants
	Do not use for cleaning purposes.
	Recommendation
	Observe technical data sheet.

Version: V07



Control parameters
Substance name:
CAS No.:
REACH No.:
Occupational exposure limit values:; Limit value type (country of origin):
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
goggles
Face protection shield
Recommended eye protection articles
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.

Information on basic physical and chemical properties 9.1

- a) Physical state

- Liquid :
- b) Colour : colourless / yellow



	c)	Odour			:	Glycol, Ether, Surfactant		
	d)	Melting point/freezing point			:	-10°C	EN 1568:2018	
	e)	Boiling point or initial boiling	ng point and b	ooiling				
		range			:	> 100°C	DIN 51751	
	f)	Flammability			:	not applicable		
	g)	Lower and upper explosion	n limit/flamma	bility		NI 17 911		
		limit			:	No data available		
	h)	Flash point			:	No flash point up to 100 °C.		
	i)	Ignition temperature in °C			:	not applicable		
	j)	Decomposition temperatur	e		:	No data available		
	k)		t °C	20	:	6,5 - 8,5	DIN 19268	
	I)	Viscosity at	t °C	20	:	< 15 mm²/s	DIN 51562	Newton
		a	t °C	-10	:	< 50 mm²/s	DIN 51562	Newton
	m)	Solubility			:	Water: completely miscible	OECD 105	
	n)	Partition coefficient n-octa	nol/water (log					
		value)			:	not applicable		
	o)	Vapour pressure			:	No data available		
	p)	Density and/or relative						
		•	t °C	20	:	1,000 - 1,040 g/ml	DIN 12791	
	q)	Relative vapour density			:	No data available		
	r)	particle characteristics			:	not applicable		
9.2		her information				1		
		ormation with regard to	o physical h	nazaro	dC			
	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 a	nd mixtures		:	not applicable		
	i)	Pyrophoric liquids			:	not applicable		
	j)	Pyrophoric solids			:	not applicable		
	k)	Self-heating substances an	nd mixtures		:	not applicable		
	I)	Substances or mixtures where the second seco		ct with				
		water, emit flammable gase	es		:	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		
	<u> </u>	an adam sharing diri						
		her safety characteristi	CS			and a sublact to		
	a)	Mechanical sensitivity	- ()	-4	:	not applicable		
	b)	Self-accelerating polymeris	sation tempera	ature		and nearly able		
	~ \	(SAPT)			•	not applicable		
	c)	formation of explosible due	svair mixtures	ó	÷	not applicable		
	d)	acid/alkaline reserve			:	not applicable		
	e)	Evaporation rate			:	No data available		
	f)	miscibility			:	Water: completely miscible		
	g)	Conductivity			:	~ 6200 µS/cm		
	h)	Corrosiveness			:	Skin corrosion/irritation: irritant.		
						Serious eye damage/irritation: irritant.		
	i)	gas group			:	not applicable		
	j)	Redox potential			:	not applicable		





	k) radical formation potential : not applicable l) photocatalytic properties : not applicable
	Additional hazards
	Breathing is not possible whilst submerged in the foam. Take care when spraying people!
SEC	TION 10: Stability and reactivity
10.1	Reactivity
	Materials to avoid
	Alkali (lye), concentrated
	Alkali metals
	Acid, concentrated
	Oxidising agent, strong
	Reducing agent, strong
	Acid halides
10.2	Chemical stability
10.2	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	
	See section 7. No additional measures necessary.
10.6	Hazardous decomposition products

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 mixture. a) Acute toxicity 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 "Substantially similar mixtures". Information on ingredients 1-BUTOXY-2-PROPANOL: LC50 (14d) 3300 mg/kg ==> The acute oral toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») SODIUM-ALKYLETHERSULFATE: LD50 (14d) > 2000 mg/kg ==> The acute oral toxicity is corresponding to GHS-category 5. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: LD50 (14d) > 3200 mg/kg ==> The acute oral toxicity is corresponding to GHS-category 5.



(Source: ECHA database «Registered substances») DODECANOL: LD50 (14d) > 2000 mg/kg ==> The acute oral toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») TETRADECANOL: LD50 (14d) > 2000 mg/kg ==> The acute oral toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Acute dermal toxicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: LC50 (14d) > 2000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») SODIUM-ALKYLETHERSULFATE: LD50 (14d) > 2000 ma/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: LD50 (14d) > 2000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») DODECANOL: LD50 (14d) 8000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») TETRADECANOL: LD50 (14d) 8000 mg/kg ==> The acute dermal toxicity is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Acute inhalation toxicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: NOEC (4h) 651 ppm; LC50 (4h) > 3,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No data available No information available. No classification in the above-mentioned hazard class (Source: Safety Data Sheet)



DODECANOL: LC50 (1h) > 71 mg/L ==> The acute inhalation toxicity related to dust/mist is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») TETRADECANOL: LC50 (1h) > 1,5 mg/L ==> The acute inhalation toxicity related to vapours is corresponding to GHS-category 5. (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP]. No classification in the above-mentioned hazard class (Source: Safety Data Sheet) b) Skin corrosion/irritation Preparation related information Causes skin irritation. Species Method Bridging principle "Substantially similar mixtures". Information on ingredients 1-BUTOXY-2-PROPANOL: Causes skin irritation. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: Causes skin irritation. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: Causes skin irritation. (Source: Safety Data Sheet) DODECANOL: non-irritant. (Source: Safety Data Sheet) TETRADECANOL: non-irritant. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: non-irritant. (Source: Safety Data Sheet) c) Serious eye damage/irritation Preparation related information Causes eye irritation. Species Bridging principle "Substantially similar mixtures". Method Information on ingredients 1-BUTOXY-2-PROPANOL: Causes serious eye irritation. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: Causes serious eye irritation. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: Causes serious eye damage. (Source: Safety Data Sheet) DODECANOL: Causes serious eye irritation. (Source: Safety Data Sheet) TETRADECANOL: Causes serious eye irritation. (Source: Safety Data Sheet)



 INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: non-irritant. (Source: Safety Data Sheet)
 d) Respiratory or skin sensitisation Preparation related information

There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: not sensitising. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: not sensitising. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: not sensitising. (Source: Safety Data Sheet) DODECANOL: not sensitising. (Source: Safety Data Sheet) TETRADECANOL: not sensitising. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: not sensitising. (Source: Safety Data Sheet)

e) Germ cell mutagenicity

Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) DODECANOL: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) TETRADECANOL: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indications of human germ cell mutagenicity exist. (Source: Safety Data Sheet)

f) Carcinogenicity

Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No indication of human carcinogenicity. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indication of human carcinogenicity.



(Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indication of human carcinogenicity. (Source: Safety Data Sheet) DODECANOL: No indication of human carcinogenicity. (Source: Safety Data Sheet) TETRADECANOL: No indication of human carcinogenicity. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indication of human carcinogenicity. (Source: Safety Data Sheet) g) Reproductive toxicity Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) DODECANOL: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) TETRADECANOL: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No indications of human reproductive toxicity exist. (Source: Safety Data Sheet) h) STOT-single exposure Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DODECANOL: No known symptoms to date. (Source: Safety Data Sheet) TETRADECANOL: No known symptoms to date. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No known symptoms to date. (Source: Safety Data Sheet)



i) STOT-repeated exposure Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DODECANOL: No known symptoms to date. (Source: Safety Data Sheet) TETRADECANOL: No known symptoms to date. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No known symptoms to date. (Source: Safety Data Sheet) i) Aspiration hazard Preparation related information There are no data available on the mixture itself. Information on ingredients 1-BUTOXY-2-PROPANOL: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: No known symptoms to date. (Source: Safety Data Sheet) DODECANOL: No known symptoms to date. (Source: Safety Data Sheet) TETRADECANOL: No known symptoms to date. (Source: Safety Data Sheet) INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: 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-BUTOXY-2-PROPANOL: This substance does not have endocrine disrupting properties with respect to humans.

(Source: Safety Data Sheet)

SODIUM-ALKYLETHERSULFATE: This substance does not have endocrine disrupting properties with respect to humans.

(Source: Safety Data Sheet)



SODIUM-ALKYLETHERSULFATE:

This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet)

DODECANOL:

This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet)

TETRADECANOL:

This substance does not have endocrine disrupting properties with respect to humans. (Source: Safety Data Sheet)

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

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
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•	IONICILY	
	Acute (short-term) fish toxicity	
	Preparation related information	
	Effective dose LC50	: > 100 < 1000* mg/L
	Exposure time	: 96 h
	Species	: Leuciscus idus (golden orfe)
	Method	: Bridging principle "Substantially similar mixtures".
	Information on ingredients	
	1-BUTOXY-2-PROPANOL:	
	LC50 (96h) 560 mg/L	
	(Source: ECHA database	e «Registered substances»)
	SODIUM-ALKYLETHERSULFAT	E:
	LC50 (96h) 1 - 10 mg/L	
	(Source: Safety Data Sh	,
	SODIUM-ALKYLETHERSULFAT	E:
	LC50 (96h) 7,1 mg/L	
	•	e «Registered substances»)
	DODECANOL:	
	LC50 (96h) 1,01 mg/L	e «Registered substances»)
	TETRADECANOL:	e «Registered substances»)
	LC50 (96h) > 1,0 mg/L	
	, , , .	e «Registered substances»)
		D AS HAZARDOUS SUBSTANCES:
		pove-mentioned hazard class
	(Source: Safety Data Sh	eet)
	Acute (short-term) toxicity to ac	uatic invertebrates
	Preparation related information	
	Effective dose EC50	: > 10 < 100* mg/L
	Exposure time	: 48 h
	Species	: Daphnia magna (Big water flea)
	Method	: Bridging principle "Substantially similar mixtures".
	Information on ingredients	
	1-BUTOXY-2-PROPANOL:	
	EC50 (48h) > 1000 mg/L	
		e «Registered substances»)
	SODIUM-ALKYLETHERSULFAT	
	EC50 (48h) 10 - 100 mg	
	(Source: Safety Data Sh	eet)
do	to: 27.06.2023	Version: V/07



SODIUM-ALKYLETHERSULFATE: EC50 (48h) 7,4 mg/L (Source: ECHA database «Registered substances») DODECANOL: NOEC (48h) 0,316 mg/L; EC50 (48h) 0,765 mg/L (Source: ECHA database «Registered substances») TETRADECANOL: EC50 (48h) 3,2 mg/L (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Acute (short-term) toxicity to algae and cyanobacteria Preparation related information : > 10 < 100* Effective dose EC50 mg/L Exposure time :72 h Species : Scenedesmus subspicatus Method : Bridging principle "Substantially similar mixtures". Information on ingredients 1-BUTOXY-2-PROPANOL: EC50 (96h) > 1000 mg/L; NOEC (96h) 569 mg/L (Source: ECHA database «Registered substances») SODIUM-ALKYLETHERSULFATE: EC50 (72h) > 100 mg/L (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: EC50 (72h) 27,7 mg/L; NOEC (72h) 0,95 mg/L (Source: ECHA database «Registered substances») DODECANOL: EC50 (72h) 0,66 mg/L (Source: ECHA database «Registered substances») TETRADECANOL: EL50 (96h) > 10 mg/L (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No classification in the above-mentioned hazard class (Source: Safety Data Sheet) Effects in sewage plants Preparation related information Analytical method : Respiratory inhibition of municipal activated sludge. : 100% 200* mg/L Concentration Dilution 6600* mg/L Concentration : 3% Dilution Method : Bridging principle "Substantially similar mixtures". Information on ingredients 1-BUTOXY-2-PROPANOL: EC50 (3h) > 1000 mg/L (Source: ECHA database «Registered substances») SODIUM-ALKYLETHERSULFATE: NOEC (16h) > 10000 mg/L (Source: Safety Data Sheet) SODIUM-ALKYLETHERSULFATE: EC50 (16h) > 10000 mg/L; NOEC (16h) > 10000 mg/L (Source: ECHA database «Registered substances») DODECANOL: NOEC (0,5h) > 10000 mg/L (Source: ECHA database «Registered substances»)

: > 5000*

: > 152*



TETRADECANOL: NOEC (14d) 10000 mg/L (Source: ECHA database «Registered substances») INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES: No classification in the above-mentioned hazard class (Source: Safety Data Sheet)

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

The product may lead to foaming in sewage plants.

Remark

Observe local regulations concerning effluent treatment. Special pre-treatments are necessary.

* The statement is derived from products of similar structure or composition.

12.2 Persistence and degradability

Di	24	iro	4	atic	-

Biodegradation						
Preparation related informa	tion					
Readily biodegradable (acc	ording to OECD crite	eria).				
Degradation rate	: >70%*					
Test duration	: 28 d					
Analytical method	: BOD (% of C	DD).				
Method		,	antially similar mi	xtures".		
Туре	: Aerobic biolog					
Information on ingredients	·	,				
1-BUTOXY-2-PROPANOL	:					
90% (10d) OECD						
	lable (according to O	ECD criteria	a).			
	atabase «Registered					
SODIUM-ALKYLETHERSU	JLFATE:					
>70% (28d) OECI	D 301 C					
	lable (according to O	ECD criteria	a).			
(Source: Safety D						
SODIUM-ALKYLETHERSU						
> 60% (14d) OEC			`			
	lable (according to O		,			
	atabase «Registered	substances	\$»)			
DODECANOL:	201 D					
79% (28d) OECD	lable (according to O	ECD oritoric				
	atabase «Registered					
TETRADECANOL:	alabase «negisleieu	Substances	s»)			
82,2% (28d) OEC	D 301 B					
	lable (according to O	FCD criteria	a).			
	atabase «Registered					
INGREDIENTS NOT CLAS	•		,			
> 70% (28d) OEC	D 301					
	lable (according to O	ECD criteria	a).			
(Source: Safety D	ata Sheet)					
Chemical oyxgen deman	d (COD)					
< 1500000* mg *O2/L 🕨	 Concentration 	: 100%	Method	DIN EN 38409-H4	1-1	
< 45000* mg *O2/L ►	 Concentration 	: 3%	Method	DIN EN 38409-H4	1-1	
Biochemical oxygen dem	and					
< 600000* mg *O2/L		: 100%	Method	DIN EN 1899-1	Test duration	5 d
-						



	< 18000* mg	j*O2/L ▶	 Concentration 	: 3%	Method	DIN EN 1899-1	Test duration	5 d
	BOD5/COD rati 40%	0						
	* The statement	is derived	from products of sir	milar structu	re or composition.			
12.3	Bioaccumu							
	Preparation relation							
	There are no da	ta available	e on the mixture itse	elf.				
	Information on ir							
	1-BUTOXY-2-PI							
	BCF 3,							
			ioaccumulation pote		oo»)			
	SODIUM-ALKY		atabase «Registere	eu substanto	es»)			
	log Kov		OLI ATE.					
			ioaccumulation pote	ential.				
			Data Sheet)					
	SODIUM-ALKYI	-	,					
	log Kov							
			ioaccumulation pote					
		e: ECHA da	atabase «Registere	ed substanc	es»)			
	DODECANOL:	-0						
	BCF 75		ioaccumulation pote	ontial				
			atabase «Registere		oc")			
	TETRADECAN				63%)			
	BCF 10							
			ioaccumulation pote	ential.				
			atabase «Registere		es»)			
	(00010							
	INGREDIENTS	NOT CLAS	SSIFIED AS HAZAI	RDOUS SU	IBSTANCES:			
	INGREDIENTS No clas	NOT CLAS	n the above-mentio	RDOUS SU oned hazard	IBSTANCES: class			
	INGREDIENTS No clas No info	NOT CLAS ssification in prmation av		RDOUS SU oned hazard	IBSTANCES: class	hazard class		
40.4	INGREDIENTS No clas No info (Source	NOT CLAS ssification in prmation av e: Safety D	n the above-mentio /ailable. No classific	RDOUS SU oned hazard	IBSTANCES: class	hazard class		
12.4	INGREDIENTS No clas No info (Source Mobility in	NOT CLAS ssification in prmation av e: Safety D soil	n the above-mentio vailable. No classific bata Sheet)	RDOUS SU oned hazard cation in the	IBSTANCES: class above-mentioned	hazard class		
12.4	INGREDIENTS No clas No info (Source Mobility in	NOT CLAS ssification in prmation av e: Safety D soil	n the above-mentio /ailable. No classific	RDOUS SU oned hazard cation in the	IBSTANCES: class above-mentioned	hazard class		
	INGREDIENTS No clas No info (Source Mobility in If product enters	NOT CLAS ssification ir rmation av e: Safety D soil soil, it will	n the above-mentio railable. No classific Data Sheet) be mobile and may	RDOUS SU ned hazard ation in the	IBSTANCES: class above-mentioned te groundwater.	hazard class		
12.4 12.5	INGREDIENTS No class No info (Source Mobility in If product enters Results of	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an	n the above-mentio railable. No classific Data Sheet) be mobile and may	RDOUS SU ned hazard ation in the	IBSTANCES: class above-mentioned te groundwater.	hazard class		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of Preparation relation	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted informa	n the above-mentio railable. No classific Data Sheet) be mobile and may	RDOUS SU ned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.	hazard class		
	INGREDIENTS No clas No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available	n the above-mentio railable. No classific Data Sheet) be mobile and may nd vPvB asse ation	RDOUS SU ned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.	hazard class		
	INGREDIENTS No clas No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat Information on ir	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse	RDOUS SU ned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.	hazard class		
	INGREDIENTS No clas No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no da <u>Information on ir</u> 1-BUTOXY-2-PI	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse	RDOUS SU aned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.			
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do	n the above-mentio railable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse	RDOUS SU aned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.			
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse oes not meet the Pf Data Sheet)	RDOUS SU aned hazard ation in the contaminat	IBSTANCES: class above-mentioned te groundwater.			
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> 1-BUTOXY-2-PI This su (Source SODIUM-ALKYI This su	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted information ta available ngredients ROPANOL ubstance do LETHERSU	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse <u>ation</u> e on the mixture itse <u>ation</u> e on the mixture itse <u>ut</u> Data Sheet) <i>ULFATE:</i> poes not meet the PE	RDOUS SU ned hazard ation in the contaminat essment elf.	IBSTANCES: class above-mentioned te groundwater.	nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse <u>ation</u> e on the mixture itse <u>c</u> : coes not meet the PE Data Sheet) ULFATE: coes not meet the PE Data Sheet)	RDOUS SU ned hazard ation in the contaminat essment elf.	IBSTANCES: class above-mentioned te groundwater.	nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of Preparation relat There are no dat Information on ir 1-BUTOXY-2-PI This su (Source SODIUM-ALKYI SODIUM-ALKYI	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse <u>ation</u> e on the mixture itse <u>c</u> : coes not meet the PB Data Sheet) <i>ULFATE:</i> Data Sheet) <i>ULFATE:</i>	RDOUS SU ned hazard ation in the contaminat essment elf. BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A	nnex XIII. nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of Preparation relat There are no da Information on ir 1-BUTOXY-2-PI This su (Source SODIUM-ALKYI This su (Source SODIUM-ALKYI This su	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D LETHERSU	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse class not meet the Pf Data Sheet) <i>ULFATE:</i> Does not meet the Pf Data Sheet) <i>ULFATE:</i> Does not meet the Pf Data Sheet) <i>ULFATE:</i> Does not meet the Pf Data Sheet)	RDOUS SU ned hazard ation in the contaminat essment elf. BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A	nnex XIII. nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no da <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source	NOT CLAS ssification in ormation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D LETHERSU	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse <u>ation</u> e on the mixture itse <u>c</u> : coes not meet the PB Data Sheet) <i>ULFATE:</i> Data Sheet) <i>ULFATE:</i>	RDOUS SU ned hazard ation in the contaminat essment elf. BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A	nnex XIII. nnex XIII.		
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	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted information ta available magredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D LETHERSU ubstance do e: Safety D	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse <u>ation</u> e on the mixture itse <u>ation</u> e on the mixture itse <u>ation</u> bas not meet the PE Data Sheet) ULFATE: oes not meet the PE Data Sheet) Data Sheet) Data Sheet)	RDOUS SU ined hazard ation in the contaminat essment elf. BT/vPvB crit BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A teria of REACH, A	nnex XIII. nnex XIII. nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no dat <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse ation e on the mixture itse ation e on the mixture itse cos not meet the Pf Data Sheet) <i>ULFATE:</i> poes not meet the Pf Data Sheet) <i>ULFATE:</i> poes not meet the Pf Data Sheet) DUFATE: poes not meet the Pf Data Sheet)	RDOUS SU ined hazard ation in the contaminat essment elf. BT/vPvB crit BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A teria of REACH, A	nnex XIII. nnex XIII. nnex XIII.		
	INGREDIENTS No class No info (Source Mobility in If product enters Results of <u>Preparation relat</u> There are no da <u>Information on ir</u> <i>1-BUTOXY-2-PI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i> This su (Source <i>SODIUM-ALKYI</i>) This su (Source <i>SODIUM-ALKYI</i>)	NOT CLAS ssification in prmation av e: Safety D soil soil, it will PBT an ted informa ta available ngredients ROPANOL ubstance do e: Safety D LETHERSU ubstance do e: Safety D LETHERSU ubstance do e: Safety D LETHERSU	n the above-mentio vailable. No classific Data Sheet) be mobile and may nd vPvB asse <u>ation</u> e on the mixture itse <u>ation</u> e on the mixture itse <u>ation</u> bas not meet the PE Data Sheet) ULFATE: oes not meet the PE Data Sheet) Data Sheet) Data Sheet)	RDOUS SU ned hazard ation in the contaminat essment elf. BT/vPvB crit BT/vPvB crit BT/vPvB crit	IBSTANCES: class above-mentioned te groundwater. teria of REACH, A teria of REACH, A teria of REACH, A	nnex XIII. nnex XIII. nnex XIII. nnex XIII.		





	INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:
	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
	(Source: Safety Data Sheet)
12.6	Endocrine disrupting properties
	Preparation related information
	There are no data available on the mixture itself.
	Information on ingredients
	1-BUTOXY-2-PROPANOL:
	This substance does not have endocrine disrupting properties with respect to humans.
	(Source: Safety Data Sheet)
l	SODIUM-ALKYLETHERSULFATE:
	This substance does not have endocrine disrupting properties with respect to humans.
I	(Source: Safety Data Sheet)
	SODIUM-ALKYLETHERSULFATE:
	This substance does not have endocrine disrupting properties with respect to humans.
	(Source: Safety Data Sheet)
	DODECANOL:
	This substance does not have endocrine disrupting properties with respect to humans.
	(Source: Safety Data Sheet)
	TETRADECANOL:
	This substance does not have endocrine disrupting properties with respect to humans.
	INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:
	This substance does not have endocrine disrupting properties with respect to humans.
	(Source: Safety Data Sheet)
12.7	Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Dispose of waste according to applicable legislation.

Waste codes/waste designations according to EWC/AVV

Waste code 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

1501 packaging (including separately collected municipal packaging waste)

150110* 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



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. 4.4 Packing group not applicable 4.5 Environmental hazards none Marine pollutant : No 4.6 Special precautions for user none 4.7 Maritime transport in bulk according to IMO instruments not applicable 5.1 Safety, health and environmental regulations/legislation specific for the substance or mix EU legislation Regulation (EO) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous	Land transport (ADR/RID) No dangerous good in sense of these transport regulations. Inland waterway oraft (ADN) No dangerous good in sense of these transport regulations. See transport (IMOC) No dangerous good in sense of these transport regulations. Air transport (ICAC-T1/ VATA-DGR) No dangerous good in sense of these transport regulations. 4.4 Packing group not applicable 4.5 Environmental hazards none Marine pollutant : No 4.6 Special precautions for user nore 4.7 Maritime transport in bulk according to IMO instruments not applicable 5.1 Safety, health and environmental regulations/legislation specific for the substance or mixtu EU legislation Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer not applicable Regulation (EU) No. 649/2012 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	Land transport (ADR/RID) No dargerous good in sense of these transport regulations. Inland waterway caft (ADN) No dargerous good in sense of these transport regulations. Sea transport (IMDG) No dargerous good in sense of these transport regulations. Air transport (IAOT / IATA-DGR) No dargerous good in sense of these transport regulations. Air transport (IAOT / IATA-DGR) No dargerous good in sense of these transport regulations. Air transport (IAOT / IATA-DGR) No dargerous 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 15.1 Safety, health and environmental regulations/legislation specific for the substance or mix EU legislation Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer not applicable Directive 96/59/EC (PCB-guideline) not applicable Directive 96/59/EC (PCB-guideline) not applicable Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals not applicable Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals not applicable Regulation (EC) No. 649/2014 [Detergents regulation] The sufficiant contained in this mixture complies with the biodegradability oriteria as laid down in Regulation (EC) No. 648/2004 on deterg 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::::::::::::::::::::::::::::::::::::
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The product is manufactured without the intended addition of organofluorine compounds for the purpose of increasing performance and therefore does not contain any amount of organofluorine substances beyond the regional ubiquitous background pollution (e.g. in the drinking water used for production).

Regulation (EC) No 2021/1297 [C9-C14-PFCA-Regulation]

The product is manufactured without the intended addition of organofluorine compounds for the purpose of increasing performance and therefore does not contain any amount of organofluorine substances beyond the regional ubiquitous background pollution (e.g. in the drinking water used for production).

National regulations

Störfallverordnung (12. BlmschV)

This product is not classified according to StörfallV.

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 3% application solution of STHAMEX FXS IAF 3% F-10 #2355:

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.

Full text of Hazard- and EU Hazard-statements

- H315 Causes skin and eye irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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Revision date: 27.06.2023 SD - 2355 - V07 - STHAMEX FXS IAF 3% F-10 #2355 - EN Version: V07

Replaces: 13.05.2023 (V06) Page 20 of 20