

Safety Data Sheet

according to UK REACH Regulation

vaPUREx FXS AR 3/3 F-0 #2365

Revision: 02.07.2026

Product code: 2365

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

1.1. Product identifier

vaPUREx FXS AR 3/3 F-0 #2365



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

Use of the substance/mixture

Fire-extinguishing foams based on synthetic surfactants

Uses advised against

Do not use for cleaning purposes.

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name:	Fabrik chemischer Präparate von Dr. Richard Sthamer GmbH & Co. KG		
Street:	Liebigstraße 5		
Place:	D-22113 Hamburg		
Telephone:	+49 40 736168-0	Telefax:	+49 40 736168-60
E-mail:	info@sthamer.com		
Contact person:	laboratory	Telephone:	+49 40 36168-80
E-mail:	MSDS@sthamer.com		
Internet:	www.sthamer.com		

1.4. Emergency telephone number:

National Poisons Information Service
Telephone: 0844 892 0111

Further Information

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).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315
Eye Irrit. 2; H319
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Signal word: Warning

Pictograms:



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Hazard statements

- | | |
|------|--|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|--|
| P264 | Wash ... thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see ... on this label). |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

2.3. Other hazards

Endocrine disrupting properties:

There are no data available on the mixture itself.

Information on ingredients: This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Results of PBT and vPvB assessment:

There are no data available on the mixture itself.

Information on ingredients: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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!

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 be hindered by the strong foam formation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water with tenside additive @

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Relevant ingredients

CAS No	Chemical name	Quantity
112-34-5	2-(2-Butoxyethoxy)ethan-1-ol (Butyldiglycol; Butyl carbitol)	10 - < 15 %
107-21-1	1,2-ethanediol	5 - < 10 %
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	1 - < 5 %
142-31-4	Octylsulfate, sodium salt	1 - < 5 %
91648-19-0	1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-C12-14-Acylderivatives, Hydroxides, Inner Salts	1 - < 5 %
142-87-0	Decylsulfate, sodium salt	1 - < 5 %

Further Information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove persons to safety.
Take off immediately all contaminated clothing.
Wash thoroughly the body (shower or bath).
When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air.
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a doctor if you feel unwell.

After contact with skin

Wash with plenty of soap and water.
Take off immediately all contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.

After contact with eyes

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.
In case of eye irritation consult an ophthalmologist.

After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Call a doctor.
Observe risk of aspiration if vomiting occurs.

4.2. Most important symptoms and effects, both acute and delayed

Nausea
Vomiting
Symptoms can occur only after several hours.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
If unconscious but breathing normally, place in recovery position and seek medical advice.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

not applicable

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

No special fire protection measures are necessary.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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.

Additional information

none

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not eat, drink or smoke when using this product.

Provide adequate ventilation.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin, eyes and clothes.

Use personal protection equipment.

6.2. Environmental precautions

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Do not empty into drains; dispose of this material and its container in a safe way.

Do not allow to enter into soil/subsoil.

Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Other information

Soak up inert absorbent and dispose as waste requiring special attention.

Suitable material for taking up: Sand, Sawdust, Universal binder

Clear contaminated areas thoroughly.

Clean contaminated articles and floor according to the environmental legislation.

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

Safe handling: see section 7

Personal protection equipment: see section 8

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).
Avoid: Skin contact, Eye contact

Advice on protection against fire and explosion

The product itself does not burn.
No special fire protection measures are necessary.

Advice on general occupational hygiene

Wash hands before breaks and after work.
Remove contaminated, saturated clothing immediately.
Draw up and observe skin protection programme.
When using do not eat, drink, smoke, sniff.
Wash contaminated clothing prior to re-use.

Further information on handling

Shafts and sewers must be protected from entry of the product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.
Do not store at temperatures above 50°C
Suitable container/equipment material: Refined steel, Polyethylene
Unsuitable container/equipment material: Light metal; Alloy, contains light metal; Copper; Alloy, containing copper; Zinc; Steel; Iron.

Hints on joint storage

No special measures are necessary.
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Store concentrate according to national regulations (VAWS).
Storage class: 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

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Eye/face protection

Suitable eye protection: goggles; Eye glasses with side protection; Face protection shield
Recommended eye protection articles: EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Suitable material: NBR (Nitrile rubber); Butyl caoutchouc (butyl rubber) (Breakthrough time:: 120 min)
Thickness of the glove material: > 0.6 mm
Breakthrough time:: 120 min.
Recommended glove articles: EN ISO 374

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

Environmental exposure controls

Do not let the concentrate get into the environment.
If possible, hold back the application solution and dispose of after use.
Can harm the aquatic fauna when entering surface waters.
Store concentrate according to national regulations (VAWS).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	light yellow	
Odour:	Surfactant, Glycol	
		Test method
Melting point/freezing point:	0 °C	DIN EN 1568
Boiling point or initial boiling point and boiling range:	> 100,0000001 °C	DIN 51751
Flammability:	not applicable	
Flash point:	> 100,0000001 °C	EN ISO 2719
Auto-ignition temperature:	not applicable	
Decomposition temperature:	not determined	
pH-Value (at 20 °C):	6,5	DIN 19268
Viscosity / kinematic: (at 20 °C)	20 mm ² /s	DIN EN ISO 3104
Water solubility: (at 20 °C)	completely miscible	OECD 105
Solubility in other solvents	not applicable	
Partition coefficient n-octanol/water:	not applicable	

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Vapour pressure: (at 20 °C)	0,053 hPa
Density (at 20 °C):	1,015 g/cm ³ DIN 12791
Bulk density:	not applicable
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not applicable

Sustained combustibility:

No sustained combustibility

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solvent separation test:

not applicable

Sublimation point:

not applicable

Softening point:

not applicable

Viscosity / dynamic:

570(190) mPa·s DIN 53019

(at 20 °C)

Further Information

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

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

Materials to avoid: Oxidising agent, strong; Reducing agent, strong; Strong acid; strong base

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Store at temperatures not exceeding 50 °C.

Do not store at temperatures below: Freezing point

10.5. Incompatible materials

May be corrosive to metals. (Brass; Light metal; Alloy, contains light metal; Copper; Alloy, containing copper; Zinc; Steel; Iron.)

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

none

SECTION 11: Toxicological information

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11.1. Information on hazard classes

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-34-5	2-(2-Butoxyethoxy)ethan-1-ol (Butyldiglycol; Butyl carbitol)				
	oral	LD50 mg/kg	5660	Rat	
	dermal	LD50 mg/kg	4120	Rabbit	
107-21-1	1,2-ethanediol				
	oral	LD50 mg/kg	7712	Rat	ECHA database «Registered substances»
	dermal	LD50 mg/kg	> 3500	Mouse	ECHA database «Registered substances»
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts				
	oral	LD50 mg/kg	> 2300	Rat	ECHA database «Registered substances»
	dermal	LD50 mg/kg	> 2200	Rabbit	ECHA database «Registered substances»
	inhalation (4 h) vapour	LC50	> 52 mg/l	Rat	ECHA database «Registered substances»
142-31-4	Octylsulfate, sodium salt				
	oral	LD50 mg/kg	> 2000	Rat	ECHA database «Registered substances»
	dermal	LD50 mg/kg	> 2000	Rat	ECHA database «Registered substances»
91648-19-0	1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-C12-14-Acylderivatives, Hydroxides, Inner Salts				
	oral	LD50 mg/kg	2950	Rat	ECHA database «Registered substances»
	dermal	LD50 mg/kg	> 2000	Rat	ECHA database «Registered substances»
142-87-0	Decylsulfate, sodium salt				
	oral	LD50 mg/kg	1200	Rat	ECHA database «Registered substances»
	dermal	LD50 mg/kg	> 2000	Rat	ECHA database «Registered substances»

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Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation. (On basis of test data)

Serious eye damage/eye irritation: Causes serious eye irritation. (On basis of test data)

Sensitising effects

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Additional information on tests

none

Practical experience

none

11.2. Information on other hazards

Endocrine disrupting properties

Based on available data, the classification criteria are not met.

Other information

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

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute (short-term) fish toxicity

Effective dose LC50: ~ 54 mg/L

Exposure duration: 96 h

Species: *Leuciscus idus* (golden orfe)

Method: OECD 203

Acute (short-term) toxicity to aquatic invertebrates

Effective dose EC50: ~ 185mg/L

Exposure duration: 48 h

Species: *Daphnia magna* (Big water flea)

Method: OECD 202

Acute (short-term) toxicity to algae and cyanobacteria

Effective dose EC50: ~ 372 mg/L

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Exposure duration: 72 h
Species: *Scenedesmus subspicatus*
Method: OECD 201

sewage treatment plant
Method: Respiratory inhibition of municipal activated sludge.
Bacteria toxicity: ~500 mg/L
Bacteria toxicity (in aqueous solution 3%): ~16700 mg/L
Can harm the bacteria population in waste water treatment plants when entering the sewerage system.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
112-34-5	2-(2-Butoxyethoxy)ethan-1-ol (Butyldiglycol; Butyl carbitol)					
	Acute algae toxicity	ErC50 > 100 mg/l		Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		
107-21-1	1,2-ethanediol					
	Acute fish toxicity	LC50 > 72860 mg/l	96 h	Pimephales promelas (fathead minnow)	ECHA database «Registered substances»	
	Acute algae toxicity	ErC50 > 6500 mg/l	96 h	Selenastrum capricornutum	ECHA database «Registered substances»	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Big water flea)	ECHA database «Registered substances»	
	Fish toxicity	NOEC > 40 mg/l	28 d	Menidia peninsulae	ECHA database «Registered substances»	
	Crustacea toxicity	NOEC 8590 mg/l	7 d	Ceriodaphnia spec	ECHA database «Registered substances»	
	Acute bacteria toxicity	EC50 > 1995 mg/l ()		Activated sludge	ECHA database «Registered substances»	
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts					
	Acute fish toxicity	LC50 4,2 mg/l	96 h	Danio rerio (zebrafish)	ECHA database «Registered substances»	
	Acute algae toxicity	ErC50 5,2 mg/l	72 h	Skeletonema costatum	ECHA database «Registered substances»	
	Acute crustacea toxicity	EC50 4,53 mg/l	48 h	Ceriodaphnia dubia	ECHA database «Registered substances»	
	Algae toxicity	NOEC 1,2 mg/l	3 d	Skeletonema costatum	ECHA database «Registered substances»	
	Crustacea toxicity	NOEC 2,42 mg/l	21 d	Daphnia magna (Big water flea)	ECHA database «Registered substances»	
	Acute bacteria toxicity	EC50 230 mg/l ()	3 h	Activated sludge	ECHA database «Registered substances»	
142-31-4	Octylsulfate, sodium salt					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Danio rerio (zebrafish)	ECHA database «Registered substances»	

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	Acute algae toxicity	ErC50 mg/l	> 511	72 h	Desmodesmus subspicatus	ECHA database «Registered substances»	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	ECHA database «Registered substances»	
	Fish toxicity	NOEC mg/l	> 1,357	42 d	Pimephales promelas (fathead minnow)	ECHA database «Registered substances»	
	Algae toxicity	NOEC	199 mg/l	3 d	Desmodesmus subspicatus	ECHA database «Registered substances»	
	Crustacea toxicity	NOEC	1,4 mg/l	21 d	Daphnia magna (Big water flea)	ECHA database «Registered substances»	
	Acute bacteria toxicity	EC50 ()	135 mg/l	3 h	Activated sludge	ECHA database «Registered substances»	
91648-19-0	1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-C12-14-Acyl derivatives, Hydroxides, Inner Salts						
	Acute fish toxicity	LC50	2,12 mg/l	96 h	Danio rerio (zebrafish)	ECHA database «Registered substances»	OECD 203
	Acute algae toxicity	ErC50	2,26 mg/l	72 h	Skeletonema costatum	ECHA database «Registered substances»	OECD 201
	Acute crustacea toxicity	EC50	4,0 mg/l	48 h	Daphnia pulex (water flea)	ECHA database «Registered substances»	OECD 202
	Acute bacteria toxicity	EC50 mg/l ()	> 1000	3 h	Activated sludge	ECHA database «Registered substances»	
142-87-0	Decylsulfate, sodium salt						
	Acute fish toxicity	LC50	13 mg/l	96 h	Cyprinus carpio (Common Carp)	ECHA database «Registered substances»	
	Acute algae toxicity	ErC50	8,64 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA database «Registered substances»	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	ECHA database «Registered substances»	OECD 202
	Fish toxicity	NOEC mg/l	>= 1,357	42 d	Pimephales promelas (fathead minnow)	ECHA database «Registered substances»	
	Algae toxicity	NOEC	0,95 mg/l	3 d	Pseudokirchneriella subcapitata	ECHA database «Registered substances»	
	Crustacea toxicity	NOEC	1,4 mg/l	14 d	Daphnia magna (Big water flea)	ECHA database «Registered substances»	OECD 211

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	Acute bacteria toxicity	EC50 ()	135 mg/l	3 h	Activated sludge	ECHA database «Registered substances»	
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12.2. Persistence and degradability

Biodegradation: Readily biodegradable (according to OECD criteria).

Degradation rate: ~ 88%

Test duration: 28 d

Method: BOD (% of COD). (OECD 302B)

Chemical oxygen demand (COD)

~ 487200 mg *O₂/L

in aqueous solution 3%: ~ 266667 mg *O₂/L

Method: Regulation (EC) No. 440/2008, Annex C.6 (COD)

Biochemical oxygen demand

~ 14616 mg *O₂/L

in aqueous solution 3%: ~ 8000 mg *O₂/L

Method: Regulation (EC) No. 440/2008, Annex C.5 (BOD)

BOD₅/COD ratio:: 54,7%

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
107-21-1	1,2-ethanediol			
	OECD 301A	> 90%	10	ECHA database «Registered substances»
	Readily biodegradable (according to OECD criteria).			
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts			
	OECD 301B	80%	28	ECHA database «Registered substances»
	Biodegradable.			
142-31-4	Octylsulfate, sodium salt			
	OECD 301B	93,5%	28	ECHA database «Registered substances»
	Readily biodegradable (according to OECD criteria).			
91648-19-0	1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-C12-14-Acylderivatives, Hydroxides, Inner Salts			
	OECD 301D	94%	28	ECHA database «Registered substances»
	Readily biodegradable (according to OECD criteria).			
142-87-0	Decylsulfate, sodium salt			
	OECD 301D	92%	30	ECHA database «Registered substances»
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-Butoxyethoxy)ethan-1-ol (Butyldiglycol; Butyl carbitol)	0,56 (25°C)
107-21-1	1,2-ethanediol	-1,36
142-31-4	Octylsulfate, sodium salt	< -2,31
91648-19-0	1-Propanaminium, N-(3-Aminopropyl)-2-hydroxy-N,Ndimethyl-3-sulfo-, N-C12-14-Acylderivatives, Hydroxides, Inner Salts	< 3
142-87-0	Decylsulfate, sodium salt	1,72

BCF

CAS No	Chemical name	BCF	Species	Source
68439-57-6	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	70,8		ECHA database «Registered substances»

12.4. Mobility in soil

The product has not been tested.
 The product contains dispersants.

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12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
If possible, hold back the application solution and dispose of after use.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.
Delivery to an approved waste disposal company.
Send to a hazardous waste incinerator facility under observation of official regulations .

SECTION 14: Transport information

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Other applicable information

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Additional information

The product contains dispergators.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,9,12,15.

Safety Data Sheet

according to UK REACH Regulation

vaPUREx FXS AR 3/3 F-0 #2365

Revision: 02.07.2026

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Abbreviations and acronyms

Acute Tox. 4: Acute toxicity, hazard category 4
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Eye Irrit. 2: Eye irritation, hazard category 2
STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Further Information

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. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Please refer to our internet website for more information. www.sthamer.com
Fire extinguishing agent
This product is only approved for the following uses: Fire extinguishing agent
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.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)