

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended  
by UK REACH Regulations SI 2019/758



## ***gigazyme actifoam + ES/FR/IT/PT 750 ml***      **No Change Service!**

Version  
01.01

Revision Date:  
06.08.2024

Date of last issue: 30.07.2023

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

#### **1.1 Product identifier**

Trade name : gigazyme actifoam + ES/FR/IT/PT 750 ml  
Unique Formula Identifier (UFI) : JRV1-C0X4-700C-92E7

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

Use of the Substance/Mixture : Cleaning agent

Recommended restrictions on use : Restricted to professional users.

#### **1.3 Details of the supplier of the safety data sheet**

Producer : Schulke CZ, s.r.o.  
Lidická 445  
  
73581 Bohumín  
Czech Republic  
Telephone: +420 558 320 260  
schulkecz@schuelke.com

Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road  
  
Sheffield S9 1AT  
United Kingdom  
Telephone: +44 114 254 35 00  
Telefax: +44 114 254 35 01  
mail.uk@schulke.com

E-mail address of person responsible for the SDS/Contact person : ChemicalCompliance@schuelke.com

#### **1.4 Emergency telephone number**

Emergency telephone number : UK Poisons Emergency number: 0870 600 6266  
Carechem 24 International: +44 1235 239670

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Eye irritation, Category 2

H319: Causes serious eye irritation.

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Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms

:



Signal word

:

Warning

Hazard statements

:

H319 Causes serious eye irritation.

Precautionary statements

:

#### **Prevention:**

P280 Wear eye protection/ face protection.

#### **Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature

:

Mixture with the following substances and non dangerous additives.

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	97862-59-4 308-107-7 --- 01-2119488533-30-XXXX	Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2.5
tris(bis(decyl)dimethylazanium) hydrogen carbonate	894406-76-9 451-900-9 --- ---	Acute Tox. 3; H301 Skin Corr. 1; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400	>= 0.25 - < 1

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		Aquatic Chronic 2; H411	
		M-Factor (Acute aquatic toxicity): 10	
N-(3-aminopropyl)-N-dodecylpro- pane-1,3-diamine	2372-82-9 219-145-8 --- 01-2119980592-29- XXXX	Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 2; H373 (Kidney) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	>= 0.25 - < 1

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

General advice : Take off contaminated clothing and shoes immediately.

If inhaled : If symptoms persist, call a physician.

In case of skin contact : Wash with water and soap as a precaution.  
If symptoms persist, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immedi-  
ately with plenty of water, also under the eyelids, for at least  
15 minutes.  
If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.  
Drink water as a precaution.  
Consult a physician if necessary.

### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms : Treat symptomatically.

Risks : Causes serious eye irritation.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : For specialist advice physicians should contact the Poisons  
Information Service.

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Foam

Unsuitable extinguishing media : Do NOT use water jet.

#### **5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting : No information available.

Hazardous combustion products : No hazardous combustion products are known

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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### **SECTION 6: Accidental release measures**

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

Personal precautions : Use personal protective equipment.

#### **6.2 Environmental precautions**

Environmental precautions : Avoid subsoil penetration.

#### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### **6.4 Reference to other sections**

see Section 8 + 13

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### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion : No special protective measures against fire required.

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### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep only in the original container. Keep tightly closed in a dry and cool place.

Further information on storage conditions : Keep away from direct sunlight. Recommended storage temperature: 5 - 25°C

Advice on common storage : Do not store near acids.

### 7.3 Specific end use(s)

Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	Workers	Skin contact	Long-term systemic effects	12.5 mg/kg
	Workers	Inhalation	Long-term systemic effects	44 mg/kg
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	Workers	Inhalation	Long-term systemic effects	2.35 mg/m3
	Workers	Skin contact	Long-term systemic effects	0.91 mg/kg

#### Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts	Fresh water	0.0135 mg/l
	Marine water	0.00135 mg/l
	Fresh water sediment	11.1 mg/kg
	Marine sediment	1.11 mg/kg
	Soil	0.85 mg/kg
	Effects on waste water treatment plants	3000 mg/l
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	Fresh water	0.001 mg/l
	Marine water	0.0001 mg/l
	Fresh water sediment	8.5 mg/kg
	Marine sediment	0.85 mg/kg
	Soil	45.34 mg/kg

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<b>II</b>	Sewage treatment plant	1.33 mg/l
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### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection	:	Safety glasses with side-shields conforming to EN166
Hand protection	:	
Directive	:	The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Remarks	:	Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection.
Skin and body protection	:	Work uniform or laboratory coat.
Respiratory protection	:	No personal respiratory protective equipment normally required.
Protective measures	:	Avoid contact with eyes.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	not determined
pH	:	9 - 10 (20 °C) Concentration: 100 %
Melting point/freezing point	:	not determined
Decomposition temperature	:	No data available
Boiling point/boiling range	:	not determined
Flash point	:	Not applicable
Evaporation rate	:	not determined
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Relative density	:	0.99 - 1.00
Solubility(ies)	:	

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Water solubility : soluble  
Partition coefficient: n-octanol/water : Not applicable  
Auto-ignition temperature : No data available

### Viscosity

Viscosity, kinematic : not determined

Explosive properties : not determined

Oxidizing properties : not determined

## **9.2 Other information**

Flammability (liquids) : Will not burn

Metal corrosion rate : Not applicable

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

The product is chemically stable.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : Reaction with strong acids and alkali.

### **10.4 Conditions to avoid**

Conditions to avoid : Extremes of temperature and direct sunlight.  
moisture

### **10.5 Incompatible materials**

Materials to avoid : Strong acids

### **10.6 Hazardous decomposition products**

In the event of fire, the breakdown reaction causes the emission of carbon monoxide and carbon dioxide.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Not classified based on available information.

#### **Product:**

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

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### Components:

#### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Acute oral toxicity	: LD50 (Rat): > 8,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402

#### **tris(bis(decyl)dimethylazanium) hydrogen carbonate:**

Acute oral toxicity	: LD50 (Rat, male and female): 245 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Acute oral toxicity	: LD50 Oral (Rat): 261 mg/kg Method: OECD Test Guideline 401 Assessment: Toxic if swallowed.
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rat): > 600 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity

### **Skin corrosion/irritation**

Not classified based on available information.

### Components:

#### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: Mildly irritant - does not need to be labelled
Remarks	: Has a degreasing effect on the skin.

#### **tris(bis(decyl)dimethylazanium) hydrogen carbonate:**

Species	: Rabbit
Result	: Corrosive after 4 hours or less of exposure

#### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Result	: Corrosive after 3 minutes to 1 hour of exposure
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### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Components:**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Species	: Rat
Method	: OECD Test Guideline 405
Result	: Irreversible effects on the eye
GLP	: yes

**tris(bis(decyl)dimethylazanium) hydrogen carbonate:**

Result	: Causes serious eye damage.
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**N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Result	: Irreversible effects on the eye
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### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Components:**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Test Type	: Maximisation Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.
GLP	: yes

**N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Test Type	: Buehler Test
Species	: Guinea pig
Result	: Did not cause sensitisation on laboratory animals.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Genotoxicity in vitro	: Test Type: Microbial mutagenesis assay (Ames test) Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation
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	Result: negative
Genotoxicity in vivo	: Test Type: Micronucleus test Species: Mouse (male and female) Cell type: Bone marrow Application Route: Intraperitoneal injection Method: OECD 474 GLP: yes
Germ cell mutagenicity- Assessment	: Not mutagenic in Ames Test

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Genotoxicity in vitro	: Test Type: reverse mutation assay Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
Germ cell mutagenicity- Assessment	: Not mutagenic in Ames Test

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Carcinogenicity - Assessment	: No data available
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### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Species	: Rat
Application Route	: Oral
Dose	: 4 - 8 - 20 mg/kg body weight
NOAEL	: 4 mg/kg bw/day
LOAEL	: 8 mg/kg body weight
Method	: OECD Test Guideline 453
GLP	: yes
Remarks	: Animal testing did not show any carcinogenic effects.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Effects on foetal development	: Species: Rat, female Application Route: Oral Dose: 0, 100, 300, 1000 milligram per kilogram Duration of Single Treatment: 15 Days General Toxicity Maternal: NOAEL: 100 mg/kg body weight Teratogenicity: NOEL: 1,000 mg/kg body weight
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Developmental Toxicity: NOAEL F1: 300 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

Reproductive toxicity - Assessment : Did not show teratogenic effects in animal experiments.

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Reproductive toxicity - Assessment : Did not show teratogenic effects in animal experiments.

### **STOT - single exposure**

Not classified based on available information.

### **Components:**

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Remarks : No data available

### **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Target Organs : Kidney  
Assessment : May cause damage to organs through prolonged or repeated exposure.

### **Repeated dose toxicity**

### **Components:**

### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Species : Rat, male and female  
NOAEL : 300 mg/kg  
Application Route : Oral  
Exposure time : 90-day  
Dose : 0, 75, 150, 300  
Control Group : yes  
Method : OECD Test Guideline 408  
GLP : yes

Species : Rat, male and female  
NOEL : 247 mg/kg  
Application Route : Oral  
Exposure time : 90-day  
Dose : 0, 9,5, 24, 247  
Control Group : yes  
Method : OECD Test Guideline 408  
GLP : yes

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

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**schülke** 

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Species	: Rat
NOAEL	: 4 mg/kg
LOAEL	: 8 mg/kg
Application Route	: Oral
Dose	: 4 - 8 - 20 mg/kg
Method	: OECD Test Guideline 453
GLP	: yes

Species	: Rat
NOAEL	: 9 mg/kg
Application Route	: Oral
Exposure time	: 90-day
Method	: OECD Test Guideline 408

### **Aspiration toxicity**

Not classified based on available information.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Components:**

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Toxicity to fish	: LC50 (Brachidanio rerio): 1.11 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna): 6.5 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): ca. 1.5 mg/l Exposure time: 72 h Method: DIN 38412 GLP: yes
Toxicity to fish (Chronic toxicity)	: NOEC: 0.135 mg/l Exposure time: 100 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210 GLP: yes
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0.32 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 GLP: yes

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### **tris(bis(decyl)dimethylazanium) hydrogen carbonate:**

Toxicity to fish	: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/l Exposure time: 96 h Method: see user defined free text
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna): 0.066 mg/l Exposure time: 48 h Test Type: Immobilization Method: see user defined free text
Toxicity to algae/aquatic plants	: EC50 (algae): 0.025 mg/l Exposure time: 96 h Method: see user defined free text
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to microorganisms	: EC50 (activated sludge): 51 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	: NOEC: 0.018 mg/l Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 210

### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 0.43 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0.073 mg/l Exposure time: 48 h GLP: yes
Toxicity to algae/aquatic plants	: ErC10 (Desmodesmus subspicatus (green algae)): 0.012 mg/l Exposure time: 72 h Method: OECD Test Guideline 201  NOEC (Selenastrum capricornutum (green algae)): > 0.001 - 0.01 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0.024 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	: 1

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### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

#### Components:

##### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 20 mg/l  
Result: Readily biodegradable.  
Biodegradation: 92 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

##### **tris(bis(decyl)dimethylazanium) hydrogen carbonate:**

Biodegradability : Result: Readily biodegradable.

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Biodegradability : Result: rapidly biodegradable  
Biodegradation: 79 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

### 12.3 Bioaccumulative potential

#### Components:

##### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Bioaccumulation : Remarks: No data available

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -0.7

### 12.4 Mobility in soil

#### Components:

##### **1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts:**

Mobility : Remarks: No data available

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Mobility : Remarks: After release, adsorbs onto soil.

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Date of last issue: 30.07.2023

### **II**

#### **12.5 Results of PBT and vPvB assessment**

##### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **12.6 Other adverse effects**

##### **Product:**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### **SECTION 14: Transport information**

#### **14.1 UN number**

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

#### **14.2 UN proper shipping name**

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

#### **14.3 Transport hazard class(es)**

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

#### **14.4 Packing group**

ADR : Not regulated as a dangerous good

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended  
by UK REACH Regulations SI 2019/758

**schülke** 

## ***gigazyme actifoam + ES/FR/IT/PT 750 ml***      **No Change Service!**

Version  
01.01

Revision Date:  
06.08.2024

Date of last issue: 30.07.2023

**IMDG** : Not regulated as a dangerous good

**IATA (Cargo)** : Not regulated as a dangerous good

**IATA (Passenger)** : Not regulated as a dangerous good

### **14.5 Environmental hazards**

Not regulated as a dangerous good

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

## **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the following entries should be considered:  
Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 0.57 %

according to Detergents Regulation EC 648/2004 : < 5%: Amphoteric surfactants  
Other constituents: Enzymes

#### **Other regulations:**

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

#### **The components of this product are reported in the following inventories:**

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.



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AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL.  1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., hydroxides, inner salts tris(bis(decyl)dimethylazanium) hydrogen carbonate dicyclohexylammonium nitrite L-Alaninamide, N-[(phenylmethoxy)carbonyl]glycyl-N-[(1S)-1-formyl-2-(4-hydroxyphenyl)ethyl]-
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

### **15.2 Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this mixture.

## **SECTION 16: Other information**

### **Full text of H-Statements**

H301	:	Toxic if swallowed.
H314	:	Causes severe skin burns and eye damage.
H318	:	Causes serious eye damage.
H373	:	May cause damage to organs through prolonged or repeated exposure.
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.

### **Full text of other abbreviations**

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Skin Corr.	:	Skin corrosion
STOT RE	:	Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC)

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## ***gigazyme actifoam + ES/FR/IT/PT 750 ml***      **No Change Service!**

Version  
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No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

#### **Classification of the mixture:**

Eye Irrit. 2	H319
Aquatic Chronic 3	H412

#### **Classification procedure:**

Calculation method
Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.