

EU safety data sheet

Trade name: KRONES colclean FC 5001

Current version : 2.0.0, issued: 18.12.2023

Replaced version: 1.0.3, issued: 08.04.2022

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean FC 5001

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

Relevant identified uses of the substance or mixture

Cleaning agent

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling

Telephone no. +49 9401 70-3020
e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Skin Corr. 1; H314

Classification information

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05

Signal word

Danger

Hazardous component(s) to be indicated on label:

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards

PBT assessment
The product is not considered to be a PBT.
vPvB assessment
The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	sulphamidic acid		
	5329-14-6 226-218-8 016-026-00-0 01-2119488633-28	Aquatic Chronic 3; H412 Eye Irrit. 2; H319 Skin Irrit. 2; H315	>= 10.00 - < 25.00 wt%
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts		
	147170-44-3 931-333-8 - 01-2119489410-39	Aquatic Chronic 3; H412 Eye Dam. 1; H318	>= 5.00 - < 10.00 wt%
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		
	- 931-292-6 - 01-2119490061-47	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Eye Dam. 1; H318 Skin Irrit. 2; H315	< 2.50 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Eye Irrit. 2; H319: C >= 4% Eye Dam. 1; H318: C >= 10%	-	-

Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
3	1064 mg/kg bodyweight		

SECTION 4: First aid measures

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4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. In case of persisting adverse effects consult a physician.

After skin contact

Wash immediately with plenty of water for several minutes. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

burns

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Nitrogen oxides (NO_x); Sulphur oxides (S_xO_y)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Ensure adequate ventilation. Remove persons to safety.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from sun.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Provide alkali-resistant floor.

Incompatible products

Substances to be avoided, see section 10. Do not store together with: Alkalies; Metals; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	sulphamidic acid			5329-14-6 226-218-8	
	dermal	Long term (chronic)	systemic	10	mg/kg/day
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts			147170-44-3 931-333-8	
	dermal	Long term (chronic)	systemic	12.50	mg/kg/day
	inhalative	Long term (chronic)	systemic	44.00	mg/m ³
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides			- 931-292-6	
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	6.2	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	sulphamidic acid			5329-14-6 226-218-8	
	oral	Long term (chronic)	systemic	5	mg/kg/day
	dermal	Long term (chronic)	systemic	5	mg/kg/day
	inhalative	Long term (chronic)	systemic	17.4	mg/m ³
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts			147170-44-3 931-333-8	
	oral	Long term (chronic)	systemic	7.50	mg/kg/day
	dermal	Long term (chronic)	systemic	7.50	mg/kg/day
	inhalative	Long term (chronic)	systemic	13.04	mg/m ³

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3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides			-	
				931-292-6	
	oral	Long term (chronic)	systemic	0.44	mg/kg/day
	dermal	Long term (chronic)	systemic	5.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.53	mg/m ³

PNEC values

No	Substance name	CAS / EC no		
ecological compartment	Type	Value		
1	sulphamidic acid	5329-14-6 226-218-8		
	water	fresh water	1.8	mg/L
	water	marine water	0.18	mg/L
	water	fresh water sediment	8.36	mg/kg dry weight
	water	marine water sediment	0.84	mg/kg dry weight
	soil	-	5	mg/kg dry weight
	sewage treatment plant	-	20	mg/L
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3 931-333-8		
	water	fresh water	0.0135	mg/L
	water	marine water	0.00135	mg/L
	water	fresh water sediment	1.00	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.10	mg/kg
	with reference to: dry weight			
	soil	-	0.80	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	3000.00	mg/L
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-		
			931-292-6	
	water	fresh water	0.034	mg/L
	water	marine water	0.003	mg/L
	water	Aqua intermittent	0.034	mg/L
	water	fresh water sediment	5.24	mg/kg dry weight
	water	marine water sediment	0.524	mg/kg dry weight
	soil	-	1.02	mg/kg dry weight
	sewage treatment plant	-	24	mg/L
	secondary poisoning	-	11.1	mg/kg food

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator A-P2

Eye / face protection

Safety glasses with side protection shield (EN 166); Tightly fitting safety glasses (EN 166).

Hand protection

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Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	natural latex		
Material thickness	>=	0.5	mm
Breakthrough time	>	480	min
Appropriate Material	Polychloroprene		
Material thickness	>=	0.5	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile rubber		
Material thickness	>	0.35	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form	
liquid	
Colour	
yellowish	
Odour	
characteristic	
pH value	
Value	2
Boiling point / boiling range	
Value	> 100 °C
Melting point/freezing point	
Value	< 0 °C
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
Oxidising properties	
not oxidizing	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	

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Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
Value		1.06	
Density			
No data available			
Solubility in water			
Comments		Completely miscible	
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
log Pow		4.2317	
Reference temperature		20 °C	
Source		ECHA	
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
log Pow		< 2.7	
Method		calculated	
Source		ECHA	
Kinematic viscosity			
No data available			
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at ambient temperature.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents; Alkalies; Metals

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

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

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Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	KRONES colclean FC 5001
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
LD50		2335	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
LD50		1064	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No data available	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	sulphamidic acid	5329-14-6	226-218-8
Species	rabbit		
Method	EPA OPPTS 870-2400		
Source	ECHA		
Evaluation	Irritating to eyes		
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	Irritating to eyes		

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3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		
Evaluation/classification	Based on available data, the classification criteria are met.		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Route of exposure		Skin	
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
Species	mouse lymphoma L5178Y cells		
Method	OECD 476		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Type of examination	In vitro Mammalian Cell Micronucleus Test		
Species	Human Lymphocyte		
Method	OECD 478		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Route of exposure		oral	
Type of examination	Reproduction/Developmental Toxicity Screening Test		
Species	rat		
Method	OECD 422		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Route of exposure		oral	
Species	rat		
Method	OECD 451		
Source	ECHA		

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Evaluation/classification	Based on available data, the classification criteria are not met.
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STOT - single exposure

No data available

STOT - repeated exposure

No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
Route of exposure		oral	
Species		rats (male/female)	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Route of exposure		oral	
Species		rat	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard

No data available

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	sulphamic acid	5329-14-6	226-218-8
LC50		70.3	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		OECD 203	
Source		ECHA	
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
LC50		1.11	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		OECD 203	
Source		ECHA	
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
LC50		2.67	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		APHA Standard Method (1971)	
Source		ECHA	

Toxicity to fish (chronic)

No	Substance name	CAS no.	EC no.
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NOEC		0.135	mg/l
Duration of exposure		100	day(s)
Species	Oncorhynchus mykiss		
Method	OECD 210		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	sulphamic acid	5329-14-6	226-218-8
EC50		71.6	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
EC50		1.9	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
EC50		10.5	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
NOEC		0.32	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	sulphamic acid	5329-14-6	226-218-8
EC50		48	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
EC50		0.74	mg/l
Duration of exposure		72	h
Species	Skeletonema costatum		
Method	OECD 201		
Source	ECHA		
3	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
ErC50		0.86	mg/l

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Duration of exposure	72	h
Species	Pseudokirchneriella subcapitata	
Method	OECD 201	
Source	ECHA	

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	sulphamidic acid	5329-14-6	226-218-8
NOEC		18	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	sulphamidic acid	5329-14-6	226-218-8
EC50	>	200	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
EC0		3000	mg/l
Duration of exposure		16	h
Species	Pseudomonas putida		
Method	ISO 10712		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
Value		87.2	%
Duration		28	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Value		90	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
Type	Hydrolysis		
Method	OECD 111		
Source	ECHA		
Evaluation/classification	stable		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.

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1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
BCF		3	- 71
Source		ECHA	
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., hydroxides, inner salts	147170-44-3	931-333-8
log Pow			4.2317
Reference temperature			20 °C
Source		ECHA	
2	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	-	931-292-6
log Pow		<	2.7
Method		calculated	
Source		ECHA	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	8
Classification code	C1
Packing group	II
Hazard identification no.	80
UN number	UN3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Technical name	sulphamidic acid
Tunnel restriction code	E
Label	8

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Region: GB

14.2 Transport IMDG

Class	8
Packing group	II
UN number	UN3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Technical name	sulphamidic acid
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	II
UN number	UN3264
Proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s.
Label	8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	sulphamidic acid	5329-14-6	226-218-8	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

EU safety data sheet

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Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 760625