

Safety Data Sheet

According to Regulation (EC) No 1907/2006

Dicolube Sustain-2 VL112

Revision: 2025-07-29

Version: 05.0

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

1.1 Product identifier

Trade name: Dicolube Sustain-2 VL112

UFI: 2JK0-30NS-R00T-K4AQ

1.2 Relevant identified uses of the substance or mixture and uses advised against Product use: Track treatment product.

Uses advised against:

For professional and industrial use only. Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description : AISE_SWED_PW_8a_1 AISE_SWED_PW_4_1 AISE_SWED_IS_4_1 AISE_SWED_IS_13_3

1.3 Details of the supplier of the safety data sheet Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssenbroeksedijk 2, 3542DN Utrecht], The Netherlands

Contact details

Diversey Ltd Weston Favell Centre, Northampton NN3 8PD, United Kingdom Tel: 01604 405311, Fax: 01604 406809 Regulatory Email: customerservice.uk@solenis.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible) For medical or environmental emergency only: call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Corrosive to metals, Category 1 (H290)

2.2 Label elements



Signal word: Danger.

Contains fatty acids, C12-18, compds. with ethanolamine (MEA Cocoate), tetrasodium ethylene diamine tetraacetate (Tetrasodium EDTA), 2-aminoethanol (Ethanolamine)

Hazard statements:

H290 - May be corrosive to metals.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Precautionary statements:

P280 - Wear eye or face protection. 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 CENTRE, doctor or physician.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
fatty acids, C12-18, compds. with ethanolamine	292-921-1	91031-21-9	[1]	Serious eye damage, Category 1 (H318)		10-20
tetrasodium ethylene diamine tetraacetate	200-573-9	64-02-8	2-27	Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Inhalation, Category 4 (H332) Specific target organ toxicity - Repeated exposure, Category 2 (H373) Serious eye damage, Category 1 (H318)		3-10
2-aminoethanol	205-483-3	141-43-5	5-28	Skin corrosion, Category 1B (H314) Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Dermal, Category 4 (H312) Acute toxicity - Inhalation, Category 4 (H332) Specific target organ toxicity - Single exposure, Category 3 (H335) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)		3-10

Specific concentration limits

2-aminoethanol:

• Specific target organ toxicity - Single exposure, Category 3 (H335) >= 5%

Workplace exposure limit(s), if available, are listed in subsection 8.1. ATE, if available, are listed in section 11.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures Get medical attention or advice if you feel unwell. Inhalation: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice Skin contact: or attention. Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious Ingestion: person. Get medical attention or advice if you feel unwell. Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effe	cts, both acute and delayed
Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation.
Eye contact:	Causes severe or permanent damage.
Ingestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection. Repeated or prolonged contact:. Wear suitable gloves.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advice on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Workplace exposure limits

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
2-aminoethanol	1 ppm 2.5 mg/m ³	3 ppm 7.6 mg/m ³

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	-	-	-	25
2-aminoethanol	-	-	-	1.5

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	-	-	-	-
2-aminoethanol	No data available	-	No data available	3

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local	Short term - Systemic	Long term - Local	Long term - Systemic
	effects	effects (mg/kg bw)	effects	effects (mg/kg bw)
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available

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tetrasodium ethylene diamine tetraacetate	-	-	-	-
2-aminoethanol	No data available	-	No data available	1.5

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	3	3	1.5	1.5
2-aminoethanol	-	-	0.51	1

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	1.2	1.2	0.6	-
2-aminoethanol	-	-	0.28	0.18

Environmental exposure Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	2.2	0.22	1.2	43
2-aminoethanol	0.07	0.007	0.028	100

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
fatty acids, C12-18, compds. with ethanolamine	No data available	No data available	No data available	No data available
tetrasodium ethylene diamine tetraacetate	-	-	0.72	-
2-aminoethanol	0.375	0.0357	1.29	-

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the <u>undiluted</u> product:

Appropriate engineering controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required. Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific	LCS	PROC	Duration	ERC
	worker exposure			(min)	
	description				
Manual transfer and dilution	AISE_SWED_PW_8a_1	PW	PROC 8a	60	ERC8a

Personal protective equipment Eye / face protection: Hand protection:	Safety glasses or goggles (EN 16321). Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary. Repeated or prolonged contact: Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	No special requirements under normal use conditions.
Environmental exposure controls:	Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the <u>diluted</u> product:

Recommended maximum concentration (% w/w): 1.2

Appropriate engineering controls: Appropriate organisational controls:

Provide a good standard of general ventilation. No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

	SWED	LCS	PROC	Duration (min)	ERC
Automatic drip and brush process	AISE_SWED_IS_13_3	IS	PROC 13	240	ERC4
Automatic application in a dedicated system	AISE_SWED_IS_4_1	IS	PROC 4	480	ERC8a
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	480	ERC8a

Personal protective equipment	
Eye / face protection:	No special requirements under normal use conditions.
Hand protection:	No special requirements under normal use conditions.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

Environmental exposure controls:

- .

No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Information in this section refers to the product, unless it is specifically stated that substance data is listed

Physical state: Liquid Colour: Clear , Yellow Odour: Product specific Odour threshold: Not applicable Melting point/freezing point (°C): Not determined Initial boiling point and boiling range (°C): Not determined Method / remark

Not relevant to classification of this product See substance data

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
fatty acids, C12-18, compds. with ethanolamine	No data available		
tetrasodium ethylene diamine tetraacetate	No data available	Non-experimental data	
2-aminoethanol	169-171	Method not given	1013

Flammability (solid, gas): Not applicable to liquids Flammability (liquid): Not flammable. Flash point (°C): > 100 °C Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2)

Lower and upper explosion limit/flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
2-aminoethanol	3.4	27

Autoignition temperature: Not determined Decomposition temperature: Not applicable. pH: ≈ 11 (neat) Dilution pH: ≈ 10 (1.2 %) Kinematic viscosity: Not determined Solubility in / Miscibility with water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
fatty acids, C12-18, compds. with ethanolamine	No data available		
tetrasodium ethylene diamine tetraacetate	500	Method not given	20
2-aminoethanol	1000	Method not given	20

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

closed cup

See substance data

Method / remark

ISO 4316 ISO 4316 DM-006 Viscosity - Standard

Vapour pressure: Not determined

Method / remark

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
fatty acids, C12-18, compds. with ethanolamine	No data available		
tetrasodium ethylene diamine tetraacetate	0.000000002	Read across	25
2-aminoethanol	50	Method not given	20

Relative density: ≈ 1.03 (20 °C) Relative vapour density: No data available. Particle characteristics: No data available.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties: Not explosive. Vapours may form explosive mixtures with air. Oxidising properties: Not oxidising. Corrosion to metals: Corrosive

9.2.2 Other safety characteristics

No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

May be corrosive to metals.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information

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

Mixture data: .

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000

ATE - Inhalatory, mists (mg/l): >5

ATE - Inhalatory, vapours (mg/l): >20

Substance data, where relevant and available, are listed below:.

Acute toxicity Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
fatty acids, C12-18, compds. with ethanolamine	LD 50	> 2000		Method not given		Not established
tetrasodium ethylene diamine tetraacetate	LD 50	1780	Rat	OECD 401 (EU B.1)		1780
2-aminoethanol	LD 50	1089	Rat	OECD 401 (EU B.1)		1089

Acute dermal toxicity

Method / remark OECD 109 (EU A.3)

Not relevant to classification of this product Not applicable to liquids.

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Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
fatty acids, C12-18, compds. with ethanolamine	LD 50	> 2000		Method not given		Not established
tetrasodium ethylene diamine tetraacetate	LD 50	> 5000	Rabbit	Method not given		Not established
2-aminoethanol	LD 50	2504	Rabbit	OECD 402 (EU B.3)		2504

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C12-18, compds. with ethanolamine		No data			
		available			
tetrasodium ethylene diamine tetraacetate	LC 50	≥ 1-5 (dust)	Rat	OECD 403 (EU B.2)	6
2-aminoethanol	LC 50	> 1.4 No mortality observed	Rat	Method not given	4

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
fatty acids, C12-18, compds. with ethanolamine	Not established	Not established	Not established	Not established
tetrasodium ethylene diamine tetraacetate	Not established	Not established	Not established	Not established
2-aminoethanol	Not established	Not established	Not established	Not established

Irritation and corrosivity

OI ·	 	corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C12-18, compds. with ethanolamine	No data available			
tetrasodium ethylene diamine tetraacetate	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-aminoethanol	Corrosive	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C12-18, compds. with ethanolamine	No data available			
tetrasodium ethylene diamine tetraacetate	Severe damage		Method not given	
2-aminoethanol	Severe damage	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C12-18, compds. with ethanolamine	No data available			
tetrasodium ethylene diamine tetraacetate	No data available			
2-aminoethanol	Irritating to		Method not given	
	respiratory tract			

Sensitisation Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
fatty acids, C12-18, compds. with ethanolamine	No data available			
tetrasodium ethylene diamine tetraacetate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
2-aminoethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
fatty acids, C12-18, compds. with ethanolamine	No data available			
tetrasodium ethylene diamine tetraacetate	No data available			
2-aminoethanol	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
fatty acids, C12-18, compds. with ethanolamine	No data available		No data available	
,	No evidence for mutagenicity, negative test results		No evidence of genotoxicity, negative test results	Method not given
	test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Mouse lymphoma)	test results	OECD 474 (EU B.12)

Carcinogenicity

Ingredient(s)	Effect
fatty acids, C12-18, compds. with ethanolamine	No data available
tetrasodium ethylene diamine tetraacetate	No evidence for carcinogenicity, weight-of-evidence
2-aminoethanol	No evidence for carcinogenicity, weight-of-evidence

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
fatty acids, C12-18, compds. with ethanolamine			No data available				
tetrasodium ethylene diamine tetraacetate			No data available				No evidence for reproductive toxicity
2-aminoethanol	NOAEL	Developmental toxicity	> 75	Rabbit	OECD 414 (EU B.31), oral		No evidence for developmental toxicity No evidence for reproductive toxicity

Repeated dose toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
fatty acids, C12-18, compds. with ethanolamine		No data available				
tetrasodium ethylene diamine tetraacetate		No data available				
2-aminoethanol	NOAEL	300	Rat		75	

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
		(mg/kg bw/d)			time (days)	affected
fatty acids, C12-18, compds. with ethanolamine		No data				
		available				
tetrasodium ethylene diamine tetraacetate		No data				
-		available				
2-aminoethanol		No data				
		available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
		(ing/kg bw/a)			unne (uays)	anecteu
fatty acids, C12-18, compds. with ethanolamine		No data				
		available				
tetrasodium ethylene diamine tetraacetate		No data				
		available				
2-aminoethanol		No data				
		available				

Chronic toxicity

Ingredient(s)	Exposure	Endpoint	Value	Species	Method	Exposure	Specific effects and	Remark
	route		(mg/kg bw/d)			time	organs affected	
fatty acids, C12-18,			No data					
compds. with			available					
ethanolamine								
tetrasodium ethylene			No data					
diamine tetraacetate			available					
2-aminoethanol			No data					
			available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
fatty acids, C12-18, compds. with ethanolamine	No data available
tetrasodium ethylene diamine tetraacetate	No data available
2-aminoethanol	Respiratory tract

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
fatty acids, C12-18, compds. with ethanolamine	No data available
tetrasodium ethylene diamine tetraacetate	Respiratory tract
2-aminoethanol	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C12-18, compds. with ethanolamine		No data available			
tetrasodium ethylene diamine tetraacetate	LC 50	> 100	Lepomis macrochirus	OPP 72-1, static (EPA)	96
2-aminoethanol	LC 50	349	Cyprinus carpio	OECD 203, semi-static	96

Aquatic short-term	toxicity -	crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
fatty acids, C12-18, compds. with ethanolamine		No data available			
tetrasodium ethylene diamine tetraacetate	EC 50	140	Daphnia	DIN 38412, Part 11	48
			magna Straus		
2-aminoethanol	EC 50	27.04	Daphnia	OECD 202, static	48
			magna Straus		

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value	Species	Method	Exposure
		(mg/l)			time (h)
fatty acids, C12-18, compds. with ethanolamine		No data			
		available			
tetrasodium ethylene diamine tetraacetate	EC 50	> 100	Scenedesmus	88/302/EEC, Part C,	72
			obliquus	static	
2-aminoethanol	EC 50	2.8	Selenastrum	OECD 201 (EU C.3)	72
			capricornutum		

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value	Species	Method	Exposure
		(mg/l)			time (days)
fatty acids, C12-18, compds. with ethanolamine		No data			
		available			
tetrasodium ethylene diamine tetraacetate		No data			
		available			
2-aminoethanol		No data			
		available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
fatty acids, C12-18, compds. with ethanolamine		No data available			
tetrasodium ethylene diamine tetraacetate	EC 20	> 500	Activated sludge	OECD 209	0.5 hour(s)
2-aminoethanol	EC 50	> 1000	Activated sludge	DIN EN ISO 8192-OECD 209-88/302/EEC	3 hour(s)

Aquatic long-term toxicity Aquatic long-term toxicity - fish

 iquality form toxicity from						
Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed

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		(mg/l)			time	
fatty acids, C12-18, compds. with ethanolamine		No data				
		available				
tetrasodium ethylene diamine tetraacetate	NOEC	> 25.7	Brachydanio	OECD 210	35 day(s)	
			rerio			
2-aminoethanol	NOEC	1.2	Oryzias latipes	OECD 210	30 day(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
		(mg/l)			time	
fatty acids, C12-18, compds. with ethanolamine		No data				
		available				
tetrasodium ethylene diamine tetraacetate	NOEC	25	Daphnia	OECD 211	21 day(s)	
			magna			
2-aminoethanol	NOEC	0.85	Daphnia	OECD 202	21 day(s)	
			magna			

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
fatty acids, C12-18, compds. with ethanolamine		No data available				
tetrasodium ethylene diamine tetraacetate		No data available				
2-aminoethanol		No data available				

Terrestrial toxicity Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
tetrasodium ethylene diamine tetraacetate	LD 50	156	Eisenia fetida	OECD 207	14	
2-aminoethanol		No data available				

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
tetrasodium ethylene diamine tetraacetate	NOEC	0.25 - 1.25			21	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
2-aminoethanol		No data available				

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
2-aminoethanol		No data available				

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
2-aminoethanol		No data available				

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:								
Ingredient(s)	Half-life time	Method	Evaluation	Remark				
tetrasodium ethylene diamine tetraacetate	No data available							

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
tetrasodium ethylene diamine tetraacetate	No data available			

Abiotic degradation - other processes, if available:

Ingredient(s)	Туре	Half-life time	Method	Evaluation	Remark
tetrasodium ethylene		No data available			
diamine tetraacetate					

Biodegradation

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
fatty acids, C12-18, compds. with ethanolamine	Adapted activated sludge		> 90% in 28 day(s)		Readily biodegradable
tetrasodium ethylene diamine tetraacetate				Weight of evidence	Not readily biodegradable.
2-aminoethanol		DOC reduction	> 90 % in 21 day(s)	OECD 301A	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT 50	Method	Evaluation
tetrasodium ethylene diamine tetraacetate					No data available

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT 50	Method	Evaluation
tetrasodium ethylene diamine tetraacetate					No data available

12.3 Bioaccumulative potential

Fartition coefficient n-octanol/water (log r	(0W)			
Ingredient(s)	Value	Method	Evaluation	Remark
fatty acids, C12-18, compds. with	No data available			
ethanolamine				
tetrasodium ethylene diamine	-3.86	Method not given	No bioaccumulation expected	
tetraacetate		-		
2-aminoethanol	- 1.91	OECD 107	No bioaccumulation expected	
			-	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
fatty acids, C12-18, compds. with ethanolamine	No data available				
tetrasodium ethylene diamine tetraacetate	1.8	Lepomis macrochirus	OECD 305	Low potential for bioaccumulation	
2-aminoethanol	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
fatty acids, C12-18, compds. with ethanolamine	No data available				
tetrasodium ethylene diamine tetraacetate	No data available				Adsorption to solid soil phase is not expected
2-aminoethanol	0.067		Model calculation		Potential for mobility in soil, soluble in water Adsorption to solid soil phase is not expected

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue:

Empty packaging Recommendation: Suitable cleaning agents: 16 03 05* - organic wastes containing dangerous substances.

Dispose of observing national or local regulations. Water, if necessary with cleaning agent.

SECTION 14: Transport information



Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR) 14.1 UN number or ID number: 3267 14.2 UN proper shipping name: Corrosive liquid, basic, organic, n.o.s. (tetrasodium ethylenediaminetetraacetate, ethanolamine) 14.3 Transport hazard class(es): Transport hazard class (and subsidiary risks): 8 14.4 Packing group: III 14.5 Environmental hazards: Environmentally hazardous: No Marine pollutant: No 14.6 Special precautions for user: None known. 14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers. Other relevant information: ADR Classification code: C7 Tunnel restriction code: (E)

Hazard identification number: 80 IMO/IMDG EmS: F-A, S-B

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

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

National regulations :

- Regulation (EC) 1907/2006 REACH (UK amended)
 Regulation (EC) 1272/2008 CLP (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- · Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Comah - classification: Not classified

15.2 Chemical safety assessment A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1000266

Version: 05.0

Revision: 2025-07-29

Reason for revision:

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 1, 8, 16

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

AISE - The international Association for Soaps, Detergents and Maintenance Products
 ATE - Acute Toxicity Estimate

- DNEL Derived No Effect Limit
 EC50 effective concentration, 50%
- · ERC Environmental release categories
- EUH CLP Specific hazard statement
- LC50 Lethal Concentration, 50% / Median Lethal Concentration
- LCS Life cycle stage
 LD50 Lethal Dose, 50% / Median Lethal dose
- NOAEL No observed adverse effect level
 NOEL No observed effect level
- OECD Organisation for Economic Cooperation and Development
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- PROC Process categories
 REACH number REACH registration number, without supplier specific part
 vPvB very Persistent and very Bioaccumulative
 H290 May be corrosive to metals.

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
 H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet