

Soft Care Sensisept H34

Revision: 2024-08-05

Version: 01.4

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

1.1 Product identifier

Trade name: Soft Care Sensisept H34

UFI: GFX2-T0NT-S00X-5Y2G

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

Product use: Hand disinfection.
For professional use only.

Uses advised against: Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :
AISE_SWED_PW_19_1

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 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

Eye irritation, Category 2 (H319)
Acute aquatic toxicity, Category 1 (H400)
Chronic aquatic toxicity, Category 1 (H410)

2.2 Label elements



Signal word: Warning.

Hazard statements:

H319 - Causes serious eye irritation.
H410 - Very toxic to aquatic life with long lasting effects.

2.3 Other hazards

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
glycerol	200-289-5	56-81-5	01-211947198	Not classified as hazardous		3-10

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			7-18		
chlorhexidine digluconate	242-354-0	18472-51-0	No data available	Serious eye damage, Category 1 (H318) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)	1-3
sodium cocoamphopropionate	946-533-0	93820-52-1	No data available	Eye irritation, Category 2 (H319)	1-3
2-phenoxyethanol	204-589-7	122-99-6	01-211948894 3-21	Acute toxicity - Oral, Category 4 (H302) Eye irritation, Category 2 (H319)	1-3

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

[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.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[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.

ATE, if available, are listed in section 11..

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:

Get medical attention or advice if you feel unwell.

Eye contact:

Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.

Ingestion:

Immediately drink 1 glass of water. 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 effects, both acute and delayed

Inhalation:

No known effects or symptoms in normal use.

Skin contact:

No known effects or symptoms in normal use.

Eye contact:

Causes severe irritation.

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

No special measures required.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders).

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.

Advices 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

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other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

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

Comah - Lower Tier requirements (tonnes): 100

Comah - Upper Tier requirements (tonnes): 200

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)
glycerol	10 mg/m ³ mist	30 mg/m ³ mist

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 (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
glycerol	-	-	-	229
chlorhexidine digluconate	-	-	-	.03
sodium cocoamphopropionate	-	-	-	1.67
2-phenoxyethanol	-	9.23	-	9.23

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)
glycerol	No data available	-	No data available	-
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	-	-	0.153 mg/cm ² skin	4.67
2-phenoxyethanol	No data available	-	No data available	20.83

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
glycerol	No data available	-	No data available	-
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	-	-	-	1.67
2-phenoxyethanol	No data available	-	No data available	10.42

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
glycerol	-	-	56	56
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	-	-	-	16.4
2-phenoxyethanol	-	-	8.07	8.07

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
glycerol	-	-	-	33
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	-	-	-	2.47

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2-phenoxyethanol	-	-	2.41	2.41
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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)
glycerol	0.885	0.0885	8.85	1000
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	0.0024	0.00024	-	8.37
2-phenoxyethanol	0.943	0.0943	3.44	24.8

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
glycerol	3.3	0.33	0.141	-
chlorhexidine digluconate	-	-	-	-
sodium cocoamphopropionate	190	19	36.6	-
2-phenoxyethanol	7.2366	0.7237	1.26	-

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 undiluted product:

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.
Hand protection: Not applicable.
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.

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

Method / remark

Physical state: Liquid

Colour: Hazy , from Yellow to Colourless

Odour: Product specific

Odour threshold: Not applicable

Melting point/freezing point (°C): Not determined

Initial boiling point and boiling range (°C): Not determined

Not relevant to classification of this product

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
glycerol	290	Method not given	1013
chlorhexidine digluconate	Product decomposes before boiling	OECD 103 (EU A.2)	
sodium cocoamphopropionate	No data available		
2-phenoxyethanol	244.3	OECD 103 (EU A.2)	

Method / remark

Flammability (solid, gas): Not determined

Flammability (liquid): Not determined.

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Flash point (°C): Not applicable.**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)
glycerol	2.7	19
chlorhexidine digluconate	-	-
2-phenoxyethanol	1.4	9

Method / remark

Autoignition temperature: Not determined**Decomposition temperature:** Not applicable.**pH:** ≈ 7 (neat)**Kinematic viscosity:** ≈ 875 mPa.s (20 °C)**Solubility in / Miscibility with water:** Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
glycerol	500	Method not given	20
chlorhexidine digluconate	Soluble	OECD 105 (EU A.6)	25
sodium cocoamphopropionate	No data available		
2-phenoxyethanol	24	Method not given	20

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

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
glycerol	< 1	Method not given	20
chlorhexidine digluconate	0.0051	OECD 104 (EU A.4)	25
sodium cocoamphopropionate	No data available		
2-phenoxyethanol	10	Method not given	20

Method / remark

Relative density: ≈ 1.04 (20 °C)**Relative vapour density:** Not determined.**Particle characteristics:** No data available.Not relevant to classification of this product
Not applicable to liquids.**9.2 Other information****9.2.1 Information with regard to physical hazard classes****Explosive properties:** Not explosive.**Oxidising properties:** Not oxidising.**Corrosion to metals:** Not corrosive

Weight of evidence

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

None known under normal use conditions.

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): >5000

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)
glycerol	LD ₅₀	12600	Mouse	Method not given		Not established
chlorhexidine digluconate	LD ₅₀	> 2000	Rat	OECD 401 (EU B.1)		Not established
sodium cocoamphopropionate	LD ₅₀	> 2000	Rat	Method not given		Not established
2-phenoxyethanol	LD ₅₀	1840	Rat	OECD 401 (EU B.1)		1840

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
glycerol	LD ₅₀	> 10000	Rabbit	Method not given		Not established
chlorhexidine digluconate	LD ₅₀	> 5000	Rabbit	EPA OPP 81-2		Not established
sodium cocoamphopropionate	LD ₅₀	> 2000	Rat	Read across		Not established
2-phenoxyethanol	LD ₅₀	> 2214	Rabbit	Method not given		Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
glycerol		> 2.75	Rat	Weight of evidence	4 Hrs.
chlorhexidine digluconate		No data available			
sodium cocoamphopropionate		No data available			
2-phenoxyethanol	LC ₀	> 1 (mist)	Rat	Method not given	6

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)
glycerol	Not established	Not established	Not established	Not established
chlorhexidine digluconate	Not established	Not established	Not established	Not established
sodium cocoamphopropionate	Not established	Not established	Not established	Not established
2-phenoxyethanol	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
glycerol	Not irritant		OECD 404 (EU B.4)	
chlorhexidine digluconate	Not irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)
sodium cocoamphopropionate	Not irritant	Rabbit	OECD 439	
2-phenoxyethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
glycerol	Not corrosive or irritant		Method not given	
chlorhexidine digluconate	Severe damage	Rabbit	OECD 405 (EU B.5)	
sodium cocoamphopropionate	Severe damage	Rabbit	OECD 438	
2-phenoxyethanol	Irritant	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

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Ingredient(s)	Result	Species	Method	Exposure time
glycerol	No data available			
chlorhexidine digluconate	No data available			
sodium cocoamphopropionate	Irritating to respiratory tract			
2-phenoxyethanol	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
glycerol	Not sensitising	Human	Human repeated patch test	
chlorhexidine digluconate	Not sensitising	Guinea pig	Method not given	
sodium cocoamphopropionate	Sensitising	Mouse	OECD 429 (EU B.42)	
2-phenoxyethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
glycerol	No data available			
chlorhexidine digluconate	No data available			
sodium cocoamphopropionate	Not sensitising		Method not given	
2-phenoxyethanol	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)
glycerol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
chlorhexidine digluconate	No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13) OECD 476 (HGPRT) OECD 473	No evidence of genotoxicity, negative test results No evidence for mutagenicity	OECD 474 (EU B.12)
sodium cocoamphopropionate	No data available		No data available	
2-phenoxyethanol	No evidence for mutagenicity, negative test results	Method not given	No data available	

Carcinogenicity

Ingredient(s)	Effect
glycerol	No evidence for carcinogenicity, negative test results
chlorhexidine digluconate	No evidence for carcinogenicity, negative test results
sodium cocoamphopropionate	No data available
2-phenoxyethanol	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
glycerol			No data available				Not toxic for reproduction
chlorhexidine digluconate			-	Rat	Weight of evidence OECD 414 (EU B.31), oral		No evidence for reproductive toxicity No evidence for developmental toxicity No evidence for teratogenic effects
sodium cocoamphopropionate			No data available				
2-phenoxyethanol			No data available				No evidence for reproductive toxicity No known significant effects or critical hazards

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
glycerol		No data available				
chlorhexidine digluconate		No data available				
sodium cocoamphopropionate		No data available				
2-phenoxyethanol		No data available				

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Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
glycerol		No data available				
chlorhexidine digluconate		No data available				
sodium cocoamphopropionate		No data available				
2-phenoxyethanol		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
glycerol		No data available				
chlorhexidine digluconate		No data available				
sodium cocoamphopropionate		No data available				
2-phenoxyethanol		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
glycerol			No data available					
chlorhexidine digluconate			No data available					
sodium cocoamphopropionate			No data available					
2-phenoxyethanol			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
glycerol	No data available
chlorhexidine digluconate	Not applicable
sodium cocoamphopropionate	No data available
2-phenoxyethanol	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
glycerol	No data available
chlorhexidine digluconate	Not applicable
sodium cocoamphopropionate	No data available
2-phenoxyethanol	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

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:

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Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
glycerol	LC ₅₀	54000	<i>Oncorhynchus mykiss</i>	Method not given	96
chlorhexidine digluconate	LC ₅₀	2.08	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
sodium cocoamphopropionate	LC ₅₀	4.2	<i>Oncorhynchus mykiss</i>	OECD 203 (EU C.1) Read across	96
2-phenoxyethanol	LC ₅₀	344	<i>Pimephales promelas</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
glycerol	EC ₅₀	> 10000	<i>Daphnia magna</i> Straus	Method not given	24
chlorhexidine digluconate	EC ₅₀	0.087 (measured)	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
sodium cocoamphopropionate	EC ₅₀	2.5	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2) Read across	48
2-phenoxyethanol	EC ₅₀	> 500	<i>Daphnia magna</i> Straus	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
glycerol		2900			
chlorhexidine digluconate	E _r C ₅₀	0.081 (measured)	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
sodium cocoamphopropionate		No data available			
2-phenoxyethanol	EC ₅₀	> 500	<i>Desmodesmus subspicatus</i>	DIN 38412, Part 9	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
glycerol		No data available			
chlorhexidine digluconate		No data available			
sodium cocoamphopropionate		No data available			
2-phenoxyethanol		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
glycerol	EC ₅₀	> 10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
chlorhexidine digluconate	EC ₅₀	25	Activated sludge	OECD 209	3 hour(s)
sodium cocoamphopropionate		No data available			
2-phenoxyethanol	EC ₂₀	620	Activated sludge	ISO 8192	0.5 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
glycerol		No data available				
chlorhexidine digluconate		No data available				
sodium cocoamphopropionate		No data available				
2-phenoxyethanol	NOEC	23	<i>Pimephales promelas</i>	Method not given	34 day(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Effects observed
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		(mg/l)			time	
glycerol		No data available				
chlorhexidine digluconate	NOEC	0.0206 (measured)	<i>Daphnia magna</i>	OECD 211	21 day(s)	
sodium cocoamphopropionate		No data available				
2-phenoxyethanol	NOEC	9.43	<i>Daphnia magna</i>	OECD 211	21 day(s)	

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
glycerol		No data available				
chlorhexidine digluconate	NOEC	21	<i>Chironomus riparius</i>	OECD 218		
sodium cocoamphopropionate		No data available				
2-phenoxyethanol		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
chlorhexidine digluconate	NOEC	> 1000	<i>Eisenia fetida</i>	OECD 207	14	
2-phenoxyethanol	LD ₅₀	1000	<i>Eisenia fetida</i>	OECD 207	14	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
chlorhexidine digluconate	EC ₅₀	526	<i>Brassica napus</i>	OECD 208	21	
2-phenoxyethanol	EC ₅₀	34	<i>Brassica napus</i>	OECD 208	19	

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
2-phenoxyethanol		147	<i>Not specified</i>	OECD 217	7	

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
chlorhexidine digluconate	No data available	QSAR Read across	Rapidly photodegradable	Estimate

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
chlorhexidine digluconate	> 365 day(s)	OECD 111		

Abiotic degradation - other processes, if available:

Ingredient(s)	Type	Half-life time	Method	Evaluation	Remark
chlorhexidine digluconate	Photolysis	8.6- 69.1 day(s)	Method not given	Degradable by photolysis in water	

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
glycerol			60% in 28 day(s)	Method not given	Readily biodegradable
chlorhexidine digluconate				Weight of evidence	Not readily biodegradable.
sodium cocoamphopropionate	Activated sludge,	Oxygen depletion	71 % in 28 day(s)	OECD 301F	Readily biodegradable

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	aerobe				
2-phenoxyethanol		COD removal	90 % in 28 day(s)	OECD 301F	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
glycerol	-1.76	Method not given	No bioaccumulation expected	
chlorhexidine digluconate	-1.81	OECD 107		
sodium cocoamphopropionate	No data available			
2-phenoxyethanol	1.2	OECD 107	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
glycerol	No data available				
chlorhexidine digluconate	42		Weight of evidence	Low potential for bioaccumulation	
sodium cocoamphopropionate	No data available				
2-phenoxyethanol	0.35		Method not given	No bioaccumulation expected	

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
glycerol	No data available				Potential for mobility in soil, soluble in water
chlorhexidine digluconate	> 3.9		OECD 121		
sodium cocoamphopropionate	No data available				
2-phenoxyethanol	40.74	No data available	Method not given		High potential for mobility in soil

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:

European Waste Catalogue:

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.
20 01 29* - detergents containing dangerous substances.

Empty packaging

Recommendation:

Suitable cleaning agents:

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: 3082

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14.2 UN proper shipping name:

Environmentally hazardous substance, liquid, n.o.s. (chlorhexidine digluconate)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 9

14.4 Packing group: III**14.5 Environmental hazards:**

Environmentally hazardous: Yes

Marine pollutant: Yes

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: M6

Tunnel restriction code: (-)

Hazard identification number: 90

IMO/MDG

EmS: F-A, S-F

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 dangerous goods packed in small quantities classified under UN3077 or UN3082.

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)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Biocidal Products Regulations 2001 (SI 2001/880)
- 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.**Ingredients according to Detergents Regulation**

disinfectants, amphoteric surfactants, non-ionic surfactants

< 5 %

Phenoxyethanol

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1**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: MS1001841**Version:** 01.4**Revision:** 2024-08-05**Reason for revision:**

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

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
- DNEL - Derived No Effect Limit

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- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate
- H302 - Harmful if swallowed.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.

End of Safety Data Sheet