



## Soft Care Plus Pure H3

Revision: 2022-12-15

Version: 01.2

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

#### 1.1 Product identifier

**Trade name:** Soft Care Plus Pure H3

UFI: 2753-T066-0001-EX3K

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

**Product use:**

Hand disinfection.  
for skin disinfection

**Uses advised against:**

For professional use only.  
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, 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@diversey.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 Irrit. 2 (H319)  
Aquatic Chronic 2 (H411)

#### 2.2 Label elements



**Signal word:** Warning.

#### Hazard statements:

H319 - Causes serious eye irritation.  
H411 - Toxic to aquatic life with long lasting effects.

#### 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
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					percent
propane-1,2-diol	200-338-0	57-55-6	01-2119456809-23	Not classified as hazardous	1-3
alkyl polyglucoside	500-220-1	68515-73-1	01-2119488530-36	Eye Dam. 1 (H318)	1-3
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	500-241-6	69011-36-5	[4]	Eye Irrit. 2 (H319)	1-3
2-phenoxyethanol	204-589-7	122-99-6	01-2119488943-21	Acute Tox. 4 (H302) STOT SE 3 (H335) Eye Dam. 1 (H318)	1-3
sodium cocoamphopropionate	946-533-0	-	01-2120750377-50	STOT SE 3 (H335) Eye Dam. 1 (H318) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)	0.1-1
chlorhexidine digluconate	242-354-0	18472-51-0	[6]	Eye Dam. 1 (H318) Aquatic Acute 1 M=10 (H400) Aquatic Chronic 1 (H410)	0.1-1

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

ATE, if available, are listed in section 11.

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

[6] Exempted: biocidal active. See Article 15(2) 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

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.
<b>Ingestion:</b>	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.

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

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	No known effects or symptoms in normal use.
<b>Eye contact:</b>	Causes severe irritation.
<b>Ingestion:</b>	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.

### 6.2 Environmental precautions

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

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

### 6.4 Reference to other sections

## Soft Care Plus Pure H3

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 other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with 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. Keep from freezing. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 200

Comah - Upper Tier requirements (tonnes): 500

### 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)
propane-1,2-diol	150 ppm total vapour and particulates 474 mg/m <sup>3</sup> total vapour and particulates 10 mg/m <sup>3</sup> particulates	450 ppm total vapour and particulates 1422 mg/m <sup>3</sup> total vapour and particulates 30 mg/m <sup>3</sup> particulate

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
propane-1,2-diol	-	-	-	-
alkyl polyglucoside	-	-	-	35.7
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	-	9.23	-	9.23
sodium cocoamphopropionate	-	-	-	1.67
chlorhexidine digluconate	-	-	-	.03

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)
propane-1,2-diol	-	-	-	-
alkyl polyglucoside	No data available	-	No data available	595000
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	No data available	-	No data available	20.83
sodium cocoamphopropionate	-	-	0.153 mg/cm <sup>2</sup> skin	4.67
chlorhexidine digluconate	-	-	-	-

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)
propane-1,2-diol	-	-	-	-

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alkyl polyglucoside	No data available	-	No data available	357000
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	No data available	-	No data available	10.42
sodium cocoamphopropionate	-	-	-	1.67
chlorhexidine digluconate	-	-	-	-

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propane-1,2-diol	-	-	10	168
alkyl polyglucoside	-	-	-	420
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	-	-	8.07	8.07
sodium cocoamphopropionate	-	-	-	16.4
chlorhexidine digluconate	-	-	-	-

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propane-1,2-diol	-	-	10	50
alkyl polyglucoside	-	-	-	124
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	-	-	2.41	2.41
sodium cocoamphopropionate	-	-	-	2.47
chlorhexidine digluconate	-	-	-	-

## 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)
propane-1,2-diol	260	26	183	20000
alkyl polyglucoside	0.176	0.0176	0.27	560
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	0.943	0.0943	3.44	24.8
sodium cocoamphopropionate	0.0024	0.00024	-	8.37
chlorhexidine digluconate	-	-	-	-

## Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
propane-1,2-diol	572	57.2	50	-
alkyl polyglucoside	1.516	0.152	0.654	-
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available	No data available	No data available	No data available
2-phenoxyethanol	7.2366	0.7237	1.26	-
sodium cocoamphopropionate	190	19	36.6	-
chlorhexidine digluconate	-	-	-	-

## 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

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**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

**Physical state:** Liquid

**Colour:** Opaque , Light , 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

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
propane-1,2-diol	185-190	Method not given	1013
alkyl polyglucoside	> 100	Method not given	1013
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available		
2-phenoxyethanol	244.3	OECD 103 (EU A.2)	
sodium cocoamphopropionate	No data available		
chlorhexidine digluconate	Product decomposes before boiling	OECD 103 (EU A.2)	

**Method / remark**

**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

closed cup

See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propane-1,2-diol	2.6	12.6
2-phenoxyethanol	1.4	9
chlorhexidine digluconate	-	-

**Method / remark**

**Autoignition temperature:** Not determined

**Decomposition temperature:** Not applicable.

**pH:** ≈ 5 (neat)

**Kinematic viscosity:** ≈ 1050 mPa.s (20 °C)

**Solubility in / Miscibility with water:** Fully miscible

ISO 4316

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
propane-1,2-diol	Soluble	Method not given	
alkyl polyglucoside	Soluble	Method not given	20
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available		
2-phenoxyethanol	24	Method not given	20
sodium cocoamphopropionate	No data available		
chlorhexidine digluconate	Soluble	OECD 105 (EU A.6)	25

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

**Method / remark**

**Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
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propane-1,2-diol	18.6	Method not given	20
alkyl polyglucoside	< 0.01	OECD 104 (EU A.4)	20
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available		
2-phenoxyethanol	10	Method not given	20
sodium cocoamphopropionate	No data available		
chlorhexidine digluconate	0.0051	OECD 104 (EU A.4)	25

**Relative density:**  $\approx$  1.02 (20 °C)

**Relative vapour density:** -

**Particle characteristics:** No data available.

**Method / remark**

OECD 109 (EU A.3)

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

**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 toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

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 (mg/kg)
propane-1,2-diol	LD <sub>50</sub>	> 10000	Rat	Method not given		Not established
alkyl polyglucoside	LD <sub>50</sub>	> 5000	Rat	OECD 401 (EU B.1)		Not established
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	LD <sub>50</sub>	> 2000	Rat	OECD 423 (EU B.1 tris)		Not established
2-phenoxyethanol	LD <sub>50</sub>	1840	Rat	OECD 401 (EU B.1)		120000
sodium cocoamphopropionate	LD <sub>50</sub>	> 2000	Rat	Method not given		Not established
chlorhexidine digluconate	LD <sub>50</sub>	> 2000	Rat	OECD 401 (EU B.1)		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
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propane-1,2-diol	LD <sub>50</sub>	> 2000	Rabbit	Method not given		Not established
alkyl polyglucoside	LD <sub>50</sub>	> 2000	Rabbit	OECD 402 (EU B.3)		Not established
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	LD <sub>50</sub>	> 2000	Rat	OECD 402 (EU B.3)		Not established
2-phenoxyethanol	LD <sub>50</sub>	> 2214	Rabbit	Method not given		Not established
sodium cocoamphopropionate	LD <sub>50</sub>	> 2000	Rat	Read across		Not established
chlorhexidine digluconate	LD <sub>50</sub>	> 5000	Rabbit	EPA OPP 81-2		Not established

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propane-1,2-diol	LC <sub>50</sub>	> 317 (mist) No mortality observed	Rabbit	Non guideline test	
alkyl polyglucoside		No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available			
2-phenoxyethanol	LC <sub>0</sub>	> 1 (mist)	Rat	Method not given	6
sodium cocoamphopropionate		No data available			
chlorhexidine digluconate		No data available			

## 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)
propane-1,2-diol	Not established	Not established	Not established	Not established
alkyl polyglucoside	Not established	Not established	Not established	Not established
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	Not established	Not established	Not established	Not established
2-phenoxyethanol	Not established	Not established	Not established	Not established
sodium cocoamphopropionate	Not established	Not established	Not established	Not established
chlorhexidine digluconate	Not established	Not established	Not established	Not established

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	
alkyl polyglucoside	Not irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-phenoxyethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
sodium cocoamphopropionate	Not irritant	Rabbit	OECD 439	
chlorhexidine digluconate	Not irritant	Rabbit	OECD 404 (EU B.4)	4 hour(s)

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
alkyl polyglucoside	Severe damage	Rabbit	OECD 405 (EU B.5)	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	Irritant	Rabbit	OECD 405 (EU B.5)	
2-phenoxyethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
sodium cocoamphopropionate	Severe damage	Rabbit	OECD 438	
chlorhexidine digluconate	Severe damage	Rabbit	OECD 405 (EU B.5)	

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propane-1,2-diol	No data available			
alkyl polyglucoside	No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available			
2-phenoxyethanol	No data available			
sodium cocoamphopropionate	Irritating to respiratory tract			
chlorhexidine digluconate	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

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alkyl polyglucoside	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	Not sensitising		
2-phenoxyethanol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT
sodium cocoamphopropionate	Sensitising	Mouse	OECD 429 (EU B.42)
chlorhexidine digluconate	Not sensitising	Guinea pig	Method not given

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
propane-1,2-diol	No data available			
alkyl polyglucoside	No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available			
2-phenoxyethanol	No data available			
sodium cocoamphopropionate	Not sensitising		Method not given	
chlorhexidine digluconate	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)
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	No data available	
alkyl polyglucoside	No evidence for mutagenicity, negative test results	Read across	No data available	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available		No data available	
2-phenoxyethanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
sodium cocoamphopropionate	No data available		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)

## Carcinogenicity

Ingredient(s)	Effect
propane-1,2-diol	No evidence for carcinogenicity, negative test results
alkyl polyglucoside	No evidence for carcinogenicity, weight-of-evidence
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available
2-phenoxyethanol	No evidence for carcinogenicity, weight-of-evidence
sodium cocoamphopropionate	No data available
chlorhexidine digluconate	No evidence for carcinogenicity, negative test results

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
propane-1,2-diol			No data available				No evidence for reproductive toxicity
alkyl polyglucoside			No data available		OECD 416, (EU B.35), oral		No evidence for reproductive toxicity
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched			No data available				
2-phenoxyethanol			No data available				No evidence for reproductive toxicity No known significant effects or critical hazards
sodium cocoamphopropionate			No data available				
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

## 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
propane-1,2-diol		No data available				
alkyl polyglucoside	NOAEL	100	Rat	OECD 408 (EU	90	



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				B.26)		
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol		No data available				
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate		No data available				

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propane-1,2-diol		No data available				
alkyl polyglucoside		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol		No data available				
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate		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
propane-1,2-diol		No data available				
alkyl polyglucoside		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol		No data available				
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate		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
propane-1,2-diol			No data available					
alkyl polyglucoside			No data available					
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched			No data available					
2-phenoxyethanol			No data available					
sodium cocoamphopropionate			No data available					
chlorhexidine digluconate			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
propane-1,2-diol	No data available
alkyl polyglucoside	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available
2-phenoxyethanol	No data available
sodium cocoamphopropionate	No data available
chlorhexidine digluconate	Not applicable

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
propane-1,2-diol	No data available
alkyl polyglucoside	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available
2-phenoxyethanol	No data available
sodium cocoamphopropionate	No data available

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chlorhexidine digluconate	Not applicable
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**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**

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propane-1,2-diol	LC <sub>50</sub>	> 1000	<i>Fish</i>	Method not given	24
alkyl polyglucoside	LC <sub>50</sub>	100.81	<i>Brachydanio rerio</i>	ISO 7346	96
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	LC <sub>50</sub>	> 10-100	<i>Leuciscus idus</i>	DIN 38412, Part 15	96
2-phenoxyethanol	LC <sub>50</sub>	344	<i>Pimephales promelas</i>	Method not given	96
sodium cocoamphopropionate	LC <sub>50</sub>	4.2	<i>Oncorhynchus mykiss</i>	OECD 203 (EU C.1) Read across	96
chlorhexidine digluconate	LC <sub>50</sub>	2.08	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propane-1,2-diol	EC <sub>50</sub>	> 100	<i>Daphnia</i>	Method not given	48
alkyl polyglucoside	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	EC <sub>50</sub>	> 10-100	<i>Not specified</i>	DIN 38412, Part 11	48
2-phenoxyethanol	EC <sub>50</sub>	> 500	<i>Daphnia magna Straus</i>	Method not given	48
sodium cocoamphopropionate	EC <sub>50</sub>	2.5	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2) Read across	48
chlorhexidine digluconate	EC <sub>50</sub>	0.087 (measured)	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propane-1,2-diol	EC <sub>50</sub>	24200	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
alkyl polyglucoside	EC <sub>50</sub>	27.22	<i>Desmodesmus subspicatus</i>	Method not given	72
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	EC <sub>50</sub>	> 10-100	<i>Not specified</i>	DIN 38412, Part 9	72
2-phenoxyethanol	EC <sub>50</sub>	> 500	<i>Desmodesmus subspicatus</i>	DIN 38412, Part 9	72
sodium cocoamphopropionate		No data available			
chlorhexidine digluconate	E <sub>r</sub> C <sub>50</sub>	0.081 (measured)	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
propane-1,2-diol		No data available			
alkyl polyglucoside	EC <sub>50</sub>	12.43	<i>Skeletonema</i>	Method not given	3

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			<i>costatum</i>		
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available			
2-phenoxyethanol		No data available			
sodium cocoamphopropionate		No data available			
chlorhexidine digluconate		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
propane-1,2-diol	EC <sub>0</sub>	> 20000	<i>Pseudomonas putida</i>	Method not given	18 hour(s)
alkyl polyglucoside	EC <sub>10</sub>	> 560	<i>Pseudomonas putida</i>	Method not given	6 hour(s)
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	EC <sub>10</sub>	> 10000	Activated sludge	DIN 38412 / Part 8	17 hour(s)
2-phenoxyethanol	EC <sub>20</sub>	620	Activated sludge	ISO 8192	0.5 hour(s)
sodium cocoamphopropionate		No data available			
chlorhexidine digluconate	EC <sub>50</sub>	25	Activated sludge	OECD 209	3 hour(s)

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propane-1,2-diol		No data available				
alkyl polyglucoside	NOEC	1	<i>Brachydanio rerio</i>	Method not given	28 day(s)	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol	NOEC	23	<i>Pimephales promelas</i>	Method not given	34 day(s)	
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propane-1,2-diol	NOEC	13020	<i>Ceriodaphnia dubia</i>	Method not given	7 day(s)	
alkyl polyglucoside	NOEC	1	<i>Daphnia magna</i>	OECD 202	21 day(s)	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol	NOEC	9.43	<i>Daphnia magna</i>	OECD 211	21 day(s)	
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate	NOEC	0.0206 (measured)	<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
propane-1,2-diol		No data available				
alkyl polyglucoside		No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched		No data available				
2-phenoxyethanol		No data available				
sodium cocoamphopropionate		No data available				
chlorhexidine digluconate	NOEC	21	<i>Chironomus riparius</i>	OECD 218		

## Terrestrial toxicity

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

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Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
2-phenoxyethanol	LD <sub>50</sub>	1000	<i>Eisenia fetida</i>	OECD 207	14	
chlorhexidine digluconate	NOEC	> 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
2-phenoxyethanol	EC <sub>50</sub>	34	<i>Brassica napus</i>	OECD 208	19	
chlorhexidine digluconate	EC <sub>50</sub>	526	<i>Brassica napus</i>	OECD 208	21	

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 <sub>50</sub>	Method	Evaluation
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	Readily biodegradable
alkyl polyglucoside	Activated sludge, aerobe	DOC reduction	100 % in 28 day(s)	OECD 301E	Readily biodegradable
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	Activated sludge, aerobe	CO <sub>2</sub> production	> 60% in 28 day(s)	OECD 301B	Readily biodegradable
2-phenoxyethanol		COD removal	90 % in 28 day(s)	OECD 301F	Readily biodegradable
sodium cocoamphopropionate	Activated sludge, aerobe	Oxygen depletion	71 % in 28 day(s)	OECD 301F	Readily biodegradable
chlorhexidine digluconate				Weight of evidence	Not 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
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	
alkyl polyglucoside	0.07	Method not given	No bioaccumulation expected	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available			
2-phenoxyethanol	1.2	OECD 107	No bioaccumulation expected	
sodium cocoamphopropionate	No data available			
chlorhexidine digluconate	-1.81	OECD 107		

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## Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
propane-1,2-diol	No data available				
alkyl polyglucoside	< 1.77		Method not given	No bioaccumulation expected	
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available				
2-phenoxyethanol	0.35		Method not given	No bioaccumulation expected	
sodium cocoamphopropionate	No data available				
chlorhexidine digluconate	42		Weight of evidence	Low potential for bioaccumulation	

## 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water
alkyl polyglucoside	No data available				
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	No data available				
2-phenoxyethanol	40.74	No data available	Method not given		High potential for mobility in soil
sodium cocoamphopropionate	No data available				
chlorhexidine digluconate	> 3.9		OECD 121		

## 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.  
20 01 29\* - detergents containing dangerous substances.

## European Waste Catalogue:

## Empty packaging

## Recommendation:

Dispose of observing national or local regulations.

## Suitable cleaning agents:

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: 3082

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:

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**Environmentally hazardous:** Yes

**Marine pollutant:** Yes

**14.6 Special precautions for user:** None known.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** The product is not transported in bulk tankers.

**Other relevant information:**

**ADR**

**Classification code:** M6

**Tunnel restriction code:** (E)

**Hazard identification number:** 90

**IMO/IMDG**

**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)
- Biocidal Products Regulations 2001 (SI 2001/880)
- 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:** E2 - Hazardous to the Aquatic Environment in Category Chronic 2

### 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:** MS1003510

**Version:** 01.2

**Revision:** 2022-12-15

**Reason for revision:**

This data sheet contains changes from the previous version in section(s): 1, 3, 8, 16, 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.

**Full text of the H and EUH phrases mentioned in section 3:**

- H302 - Harmful if swallowed.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

**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

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- 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

**End of Safety Data Sheet**