

Soft Care Plus Pure H3

Revision: 2017-09-09

Version: 01.1

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

1.1 Product identifier

Trade name: Soft Care Plus Pure H3

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

Identified uses:

For professional use only.

AISE-P1300 - Professional hand cleaner / disinfectant

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

1.3 Details of the supplier of the safety data sheet

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

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

| Ingredient(s) | EC number | CAS number | REACH number | Classification | Notes | Weight 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 |
| 2-phenoxyethanol | 204-589-7 | 122-99-6 | 01-2119488943-21 | Acute Tox. 4 (H302) Eye Irrit. 2 (H319) | | 1-3 |
| chlorhexidine digluconate | 242-354-0 | 18472-51-0 | 01-2119946568-22 | Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | | 0.1-1 |

* Polymer.

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.

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[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.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|--|--|
| Inhalation: | Get medical attention or advice if you feel unwell. |
| Skin contact: | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice 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. If irritation occurs and persists, get medical attention. |
| Ingestion: | Immediately drink 1 glass of water. Never give anything by mouth to an unconscious 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 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, sawdust).

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 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 container. Store in a closed container. Keep from freezing.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

| Ingredient(s) | UK - Long term value(s) | UK - Short term value(s) |
|------------------|---|---|
| propane-1,2-diol | 150 ppm total particulates and vapour 474 mg/m ³ total particulates and vapour 10 mg/m ³ particulates | 450 ppm total particulate and vapour 1422 mg/m ³ total particulate and vapour 30 mg/m ³ particulate |

| 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 |
| 2-phenoxyethanol | - | 17.43 | - | 17.43 |
| chlorhexidine digluconate | - | - | - | - |

| 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 | No data available | - | No data available | - |
| alkyl polyglucoside | No data available | - | No data available | 595000 |
| 2-phenoxyethanol | No data available | - | No data available | 34.72 |
| chlorhexidine digluconate | - | - | - | - |

| 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 | No data available | - | No data available | - |
| alkyl polyglucoside | No data available | - | No data available | 357000 |
| 2-phenoxyethanol | No data available | - | No data available | 20.83 |
| chlorhexidine digluconate | - | - | - | - |

| 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 |
| 2-phenoxyethanol | - | - | 8.07 | 8.07 |
| chlorhexidine digluconate | - | - | - | - |

| 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 |
| 2-phenoxyethanol | - | - | 2.41 | 2.41 |
| chlorhexidine digluconate | - | - | - | - |

| 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 |
| 2-phenoxyethanol | 0.943 | 0.0943 | 3.44 | 24.8 |
| chlorhexidine digluconate | - | - | - | - |

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|---------------------------|------------------------------|--------------------------|--------------|--------------------------|
| propane-1,2-diol | 572 | 57.2 | 50 | - |
| alkyl polyglucoside | 1.516 | 0.152 | 0.654 | - |
| 2-phenoxyethanol | 7.2366 | 0.7237 | 1.26 | - |
| 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.

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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.

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: To Match Standard (TMS)
Odour threshold: Not applicable
pH: ≈ 5.00 (neat)
Melting point/freezing point (°C): Not determined
Initial boiling point and boiling range (°C): Not determined

Method / remark
 ISO 4316
 Not relevant to classification of this product
 See substance data

| 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 |
| 2-phenoxyethanol | 244.3 | OECD 103 (EU A.2) | |
| chlorhexidine digluconate | Product decomposes before boiling | OECD 103 (EU A.2) | |

Flash point (°C): ≈ 100 closed cup
Sustained combustion: Not applicable.
 (UN Manual of Tests and Criteria, section 32, L.2)
Evaporation rate: Not determined Not relevant to classification of this product
Flammability (solid, gas): Not applicable to liquids
Upper/lower flammability limit (%): Not determined See substance data

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

Vapour pressure: Not determined See substance data

| Ingredient(s) | Value (Pa) | Method | Temperature (°C) |
|---------------------------|-------------------|-------------------|------------------|
| propane-1,2-diol | 18.6 | Method not given | 20 |
| alkyl polyglucoside | No data available | | |
| 2-phenoxyethanol | 10 | Method not given | 20 |
| chlorhexidine digluconate | 0.0051 | OECD 104 (EU A.4) | 25 |

Vapour density: Not determined Not relevant to classification of this product
Relative density: ≈ 1.02 (20 °C) OECD 109 (EU A.3)
Solubility in / Miscibility with Water: Fully miscible

| Ingredient(s) | Value (g/l) | Method | Temperature (°C) |
|---------------------------|-------------|-------------------|------------------|
| propane-1,2-diol | Soluble | Method not given | |
| alkyl polyglucoside | Soluble | Method not given | 20 |
| 2-phenoxyethanol | 24 | Method not given | 20 |
| chlorhexidine digluconate | Soluble | OECD 105 (EU A.6) | 25 |

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Autoignition temperature: Not determined
Decomposition temperature: Not applicable.
Viscosity: Not determined
Explosive properties:
Oxidising properties:

Not relevant to classification of this product

9.2 Other information

Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive

Not relevant to classification of this product

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): >5000

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

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---------------------------|------------------|---------------|---------|------------------------|-------------------|
| propane-1,2-diol | LD ₅₀ | > 10000 | Rat | Method not given | |
| alkyl polyglucoside | LD ₅₀ | > 2000 | Rat | OECD 423 (EU B.1 tris) | |
| 2-phenoxyethanol | LD ₅₀ | 1840 | Rat | Method not given | |
| chlorhexidine digluconate | LD ₅₀ | > 2000 | Rat | OECD 401 (EU B.1) | |

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---------------------------|------------------|---------------|---------|-------------------|-------------------|
| propane-1,2-diol | LD ₅₀ | > 2000 | Rabbit | Method not given | |
| alkyl polyglucoside | LD ₅₀ | > 2000 | Rabbit | OECD 402 (EU B.3) | |
| 2-phenoxyethanol | LD ₅₀ | > 2214 | Rabbit | Method not given | |
| chlorhexidine digluconate | LD ₅₀ | > 5000 | Rabbit | EPA OPP 81-2 | |

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------|------------------|------------------------------------|---------|--------------------|-------------------|
| propane-1,2-diol | LC ₅₀ | > 317 (mist) No mortality observed | Rabbit | Non guideline test | |
| alkyl polyglucoside | | No data available | | | |
| 2-phenoxyethanol | LC ₀ | > 1 (mist) | Rat | Method not given | 6 |
| chlorhexidine digluconate | | No data available | | | |

| Ingredient(s) | Result | Species | Method | Exposure time |
|------------------|--------------|---------|-------------------|---------------|
| propane-1,2-diol | Not irritant | Rabbit | OECD 404 (EU B.4) | |

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| | | | | |
|---------------------------|--------------|--------|-------------------|-----------|
| alkyl polyglucoside | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| 2-phenoxyethanol | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| chlorhexidine digluconate | Not irritant | Rabbit | OECD 404 (EU B.4) | 4 hour(s) |

| 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) | |
| 2-phenoxyethanol | Irritant | Rabbit | OECD 405 (EU B.5) | |
| chlorhexidine digluconate | Severe damage | Rabbit | OECD 405 (EU B.5) | |

| Ingredient(s) | Result | Species | Method | Exposure time |
|---------------------------|-------------------|---------|--------|---------------|
| propane-1,2-diol | No data available | | | |
| alkyl polyglucoside | No data available | | | |
| 2-phenoxyethanol | No data available | | | |
| chlorhexidine digluconate | No data available | | | |

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|---------------------------|-----------------|------------|----------------------------------|-------------------|
| propane-1,2-diol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT | |
| alkyl polyglucoside | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buehler test | |
| 2-phenoxyethanol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT | |
| chlorhexidine digluconate | Not sensitising | Guinea pig | Method not given | |

| Ingredient(s) | Result | Species | Method | Exposure time |
|---------------------------|-------------------|---------|--------|---------------|
| propane-1,2-diol | No data available | | | |
| alkyl polyglucoside | No data available | | | |
| 2-phenoxyethanol | No data available | | | |
| chlorhexidine digluconate | No data available | | | |

| 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 | |
| 2-phenoxyethanol | No evidence for mutagenicity, negative test results | Method not given | 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) |

| Ingredient(s) | Effect |
|---------------------------|--|
| propane-1,2-diol | No evidence for carcinogenicity, negative test results |
| alkyl polyglucoside | No evidence for carcinogenicity, weight-of-evidence |
| 2-phenoxyethanol | No data available |
| chlorhexidine digluconate | No evidence for carcinogenicity, negative test results |

| 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 |
| 2-phenoxyethanol | | | No data available | | | | No evidence for reproductive toxicity |
| 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 |

| 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 B.26) | 90 | |
| 2-phenoxyethanol | | No data available | | | | |
| chlorhexidine digluconate | | No data available | | | | |

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| 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 | | | | |
| 2-phenoxyethanol | | No data available | | | | |
| chlorhexidine digluconate | | No data available | | | | |

| 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 | | | | |
| 2-phenoxyethanol | | No data available | | | | |
| chlorhexidine digluconate | | No data available | | | | |

| 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 | | | | | |
| 2-phenoxyethanol | | | No data available | | | | | |
| chlorhexidine digluconate | | | No data available | | | | | |

| Ingredient(s) | Affected organ(s) |
|---------------------------|-------------------|
| propane-1,2-diol | No data available |
| alkyl polyglucoside | No data available |
| 2-phenoxyethanol | No data available |
| chlorhexidine digluconate | No data available |

| Ingredient(s) | Affected organ(s) |
|---------------------------|-------------------|
| propane-1,2-diol | No data available |
| alkyl polyglucoside | No data available |
| 2-phenoxyethanol | No data available |
| chlorhexidine digluconate | 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.

SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the mixture.

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

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------|------------------|--------------|----------------------------|-------------------|-------------------|
| propane-1,2-diol | LC ₅₀ | > 1000 | <i>Fish</i> | Method not given | 24 |
| alkyl polyglucoside | LC ₅₀ | 100.81 | <i>Brachydanio rerio</i> | ISO 7346 | 96 |
| 2-phenoxyethanol | LC ₅₀ | 344 | <i>Pimephales promelas</i> | Method not given | 96 |
| chlorhexidine digluconate | LC ₅₀ | 2.08 | <i>Brachydanio rerio</i> | OECD 203 (EU C.1) | 96 |

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------|------------------|--------------|-----------------------------|-------------------|-------------------|
| propane-1,2-diol | EC ₅₀ | > 100 | <i>Daphnia</i> | Method not given | 48 |
| alkyl polyglucoside | EC ₅₀ | > 100 | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48 |

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| | | | | | |
|---------------------------|------------------|---------------------|-----------------------------|-------------------|----|
| 2-phenoxyethanol | EC ₅₀ | > 500 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| chlorhexidine digluconate | EC ₅₀ | 0.087 (measured) | <i>Daphnia magna Straus</i> | OECD 202 (EU C.2) | 48 |

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---------------------------|--------------------------------|---------------------|--------------------------------|-------------------|-------------------|
| propane-1,2-diol | EC ₅₀ | 24200 | <i>Desmodesmus subspicatus</i> | OECD 201 (EU C.3) | 72 |
| alkyl polyglucoside | EC ₅₀ | 27.22 | <i>Desmodesmus subspicatus</i> | Method not given | 72 |
| 2-phenoxyethanol | EC ₅₀ | > 500 | <i>Desmodesmus subspicatus</i> | DIN 38412, Part 9 | 72 |
| chlorhexidine digluconate | E _r C ₅₀ | 0.081 (measured) | <i>Desmodesmus subspicatus</i> | OECD 201 (EU C.3) | 72 |

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

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---------------------------|------------------|--------------|---------------------------|------------------|---------------|
| propane-1,2-diol | EC ₀ | > 20000 | <i>Pseudomonas putida</i> | Method not given | 18 hour(s) |
| alkyl polyglucoside | EC ₁₀ | > 560 | <i>Pseudomonas putida</i> | Method not given | 6 hour(s) |
| 2-phenoxyethanol | EC ₂₀ | 620 | Activated sludge | ISO 8192 | 0.5 hour(s) |
| chlorhexidine digluconate | EC ₅₀ | 25 | Activated sludge | OECD 209 | 3 hour(s) |

| 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) | |
| 2-phenoxyethanol | NOEC | 23 | <i>Pimephales promelas</i> | Method not given | 34 day(s) | |
| chlorhexidine digluconate | | No data available | | | | |

| 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) | |
| 2-phenoxyethanol | NOEC | 9.43 | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |
| chlorhexidine digluconate | NOEC | 0.0206 (measured) | <i>Daphnia magna</i> | OECD 211 | 21 day(s) | |

| 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 | | | - | |
| 2-phenoxyethanol | | No data available | | | - | |
| chlorhexidine digluconate | NOEC | 21 | <i>Chironomus riparius</i> | OECD 218 | | |

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------------|------------------|-----------------------|-----------------------|----------|----------------------|------------------|
| propane-1,2-diol | | No data available | | | - | |
| alkyl polyglucoside | | No data available | | | - | |
| 2-phenoxyethanol | LD ₅₀ | 1000 | <i>Eisenia fetida</i> | OECD 207 | 14 | |
| chlorhexidine digluconate | NOEC | > 1000 | <i>Eisenia fetida</i> | OECD 207 | 14 | |

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| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------------|------------------|-----------------------|-----------------------|----------|----------------------|------------------|
| propane-1,2-diol | | No data available | | | - | |
| alkyl polyglucoside | | No data available | | | - | |
| 2-phenoxyethanol | EC ₅₀ | 34 | <i>Brassica napus</i> | OECD 208 | 19 | |
| chlorhexidine digluconate | EC ₅₀ | 526 | <i>Brassica napus</i> | OECD 208 | 21 | |

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-------------------|---------|--------|----------------------|------------------|
| propane-1,2-diol | | No data available | | | - | |
| alkyl polyglucoside | | No data available | | | - | |
| 2-phenoxyethanol | | No data available | | | - | |

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| propane-1,2-diol | | No data available | | | - | |
| alkyl polyglucoside | | No data available | | | - | |
| 2-phenoxyethanol | | No data available | | | - | |

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------------|----------|-----------------------|----------------------|----------|----------------------|------------------|
| propane-1,2-diol | | No data available | | | - | |
| alkyl polyglucoside | | No data available | | | - | |
| 2-phenoxyethanol | | 147 | <i>Not specified</i> | OECD 217 | 7 | |

12.2 Persistence and degradability

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

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

| 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 | |

| Ingredient(s) | Inoculum | Analytical method | DT ₅₀ | Method | Evaluation |
|---------------------------|----------|-------------------|---------------------|--------------------|----------------------------|
| propane-1,2-diol | | | > 70 % in 28 day(s) | OECD 301A | Readily biodegradable |
| alkyl polyglucoside | | | 59% | OECD 301E | Readily biodegradable |
| 2-phenoxyethanol | | COD removal | 90 % in 28 day(s) | OECD 301F | Readily biodegradable |
| chlorhexidine digluconate | | | | Weight of evidence | Not readily biodegradable. |

12.3 Bioaccumulative potential

| 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 | |
| 2-phenoxyethanol | 1.2 | OECD 107 | No bioaccumulation expected | |
| chlorhexidine digluconate | -1.81 | OECD 107 | | |

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---------------------|-------------------|---------|--------------------|-----------------------------------|--------|
| propane-1,2-diol | No data available | | | | |
| alkyl polyglucoside | No data available | | | | |
| 2-phenoxyethanol | 0.35 | | Method not given | No bioaccumulation expected | |
| chlorhexidine | 42 | | Weight of evidence | Low potential for bioaccumulation | |

Soft Care Plus Pure H3

| | | | | | |
|-------------|--|--|--|--|--|
| digluconate | | | | | |
|-------------|--|--|--|--|--|

12.4 Mobility in soil

| Ingredient(s) | Adsorption coefficient Log K _{oc} | Desorption coefficient Log K _{oc} (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 | | | | |
| 2-phenoxyethanol | 1.61 | No data available | Method not given | | Potential for adsorption to soil |
| chlorhexidine digluconate | > 3.9 | | OECD 121 | | |

12.6 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:

20 01 29* - detergents containing dangerous substances.

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, 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):

Class: 9

Label(s): 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 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****EU regulations:**

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EU) No 528/2012 on biocidal products
- Regulation (EC) No. 648/2004 - Detergents regulation

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

Soft Care Plus Pure H3**Ingredients according to EC Detergents Regulation 648/2004**

non-ionic surfactants, amphoteric surfactants
Phenoxyethanol, disinfectants

< 5 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2 Chemical safety assessment

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

SECTION 16: Other information**SDS code:** MS1003510**Version:** 01.1**Revision:** 2017-09-09**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 2, 3, 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.

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

- 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.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- 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

End of Safety Data Sheet