

Safety Data Sheet

according to UK REACH Regulation

SANIT Bio SanitärReiniger

Revision date: 04.08.2023

Product code: 3361

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

1.1. Product identifier

SANIT Bio SanitärReiniger

UFI: 95EQ-8M0H-TREC-2Q3U

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|-----------------------------------|---------------------------|
| Company name: | SANIT-Chemie | |
| | Reinigungsmittel und -geräte GmbH | |
| Street: | Dieselstr. 38 | |
| Place: | D-74211 Leingarten | |
| Telephone: | +49 7131 902100 | Telefax: +49 7131 404360 |
| E-mail: | info@sanit-chemie.de | |
| Contact person: | Produktmanagement | Telephone: 07131 90210-20 |
| Internet: | www.sanit-chemie.de | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Signal word: Warning

Pictograms:



Hazard statements

| | |
|------|--------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |

Precautionary statements

| | |
|----------------|--|
| P264 | Wash Hände thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of Wasser. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

2.3. Other hazards

No information available.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

Endocrine-disrupting potential: not listed.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 68515-73-1 | Decyl-octyl glycosides oligomer | | | 0,1 - 2,5 % |
| | 500-220-1 | | 01-2119488530-36 | |
| | Eye Dam. 1; H318 | | | |
| 79-33-4 | L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid | | | 1 - 2,5 % |
| | 201-196-2 | 607-743-00-5 | | |
| | Skin Corr. 1C, Eye Dam. 1; H314 H318 EUH071 | | | |
| 5949-29-1 | Citric acid | | | 1 - < 5 % |
| | 201-069-1 | | 01-2119457026-42 | |
| | Eye Irrit. 2, STOT SE 3; H319 H335 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|---|---|-------------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 68515-73-1 | 500-220-1 | Decyl-octyl glycosides oligomer | 0,1 - 2,5 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Eye Dam. 1; H318: >= 10 - 100 | | |
| 79-33-4 | 201-196-2 | L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid | 1 - 2,5 % |
| | inhalation: LC50 = 7,94 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = 4875 mg/kg | | |
| 5949-29-1 | 201-069-1 | Citric acid | 1 - < 5 % |
| | dermal: LD50 = >2000 mg/kg; oral: LD50 = 5400 mg/kg | | |

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

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

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

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Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Washing and cleaning products (including solvent based products)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---------------------------------|----------------|----------|-----------------------|
| DNEL type | | | | |
| 68515-73-1 | Decyl-octyl glycosides oligomer | | | |
| Worker DNEL, long-term | | inhalation | systemic | 420 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 595000 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 124 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 357000 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 35,7 mg/kg bw/day |

PNEC values

| CAS No | Substance | Value |
|--|---------------------------------|--------------|
| Environmental compartment | | |
| 68515-73-1 | Decyl-octyl glycosides oligomer | |
| Freshwater | | 0,176 mg/l |
| Marine water | | 0,018 mg/l |
| Freshwater sediment | | 1,516 mg/kg |
| Marine sediment | | 0,152 mg/kg |
| Secondary poisoning | | 111,11 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 560 mg/l |
| Soil | | 0,654 mg/kg |

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|------------------------|--------------------|
| Physical state: | liquid | |
| Colour: | colourless | |
| | | Test method |
| Melting point/freezing point: | not determined | |
| Boiling point or initial boiling point and boiling range: | not determined | |
| Flammability: | not determined | |
| Lower explosion limits: | not determined | |
| Upper explosion limits: | not determined | |
| Flash point: | not determined | |
| Auto-ignition temperature: | not determined | |
| Decomposition temperature: | not determined | |
| pH-Value: | 2,5 | DIN 19261 |
| Viscosity / kinematic: | not determined | |
| Water solubility: | easily soluble | |
| Solubility in other solvents | not determined | |
| Partition coefficient n-octanol/water: | not determined | |
| Vapour pressure: | not determined | |
| Density (at 20 °C): | 1,01 g/cm ³ | |
| Relative vapour density: | not determined | |
| Particle characteristics: | not applicable | |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

| | |
|-------------------|----------------|
| Evaporation rate: | not determined |
| Solid content: | not determined |

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Oxidizing agents, strong.

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10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 397,0 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|------------|---|-------------------|-----------|--------|----------|
| | Exposure route | Dose | Species | Source | Method |
| 68515-73-1 | Decyl-octyl glycosides oligomer | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | ECHA | OECD 423 |
| | dermal | LD50 > 2000 mg/kg | Rat | ECHA | OECD 402 |
| 79-33-4 | L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid | | | | |
| | oral | LD50 4875 mg/kg | Maus | | |
| | dermal | LD50 >2000 mg/kg | Kaninchen | | |
| | inhalation (4 h) vapour | LC50 7,94 mg/l | rat | | |
| 5949-29-1 | Citric acid | | | | |
| | oral | LD50 5400 mg/kg | Maus | ECHA | OECD 401 |
| | dermal | LD50 >2000 mg/kg | Ratte | | OECD 402 |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

information on endocrine-disrupting properties on human health is not available.

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Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

The product is not: Ecotoxic.

| CAS No | Chemical name | | | | | |
|------------|---|------------------|-----------|-------------------------|--------|---------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 68515-73-1 | Decyl-octyl glycosides oligomer | | | | | |
| | Acute fish toxicity | LC50 100,81 mg/l | 96 h | Danio rerio (zebrafish) | ECHA | |
| | Fish toxicity | NOEC > 1 mg/l | 21 d | Danio rerio (zebrafish) | | |
| | Crustacea toxicity | NOEC >1 mg/l | 21 d | Daphnia magna | | |
| 79-33-4 | L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid | | | | | |
| | Acute fish toxicity | LC50 320 mg/l | 96 h | | | |
| | Acute algae toxicity | ErC50 3500 mg/l | 96 h | | | |
| | Acute crustacea toxicity | EC50 240 mg/l | 48 h | | | |
| 5949-29-1 | Citric acid | | | | | |
| | Acute fish toxicity | LC50 440 mg/l | 96 h | fisch | ECHA | OECD 203 |
| | Acute crustacea toxicity | EC50 1535 mg/l | 48 h | Daphnia magna | ECHA | Bringmann and Kuhn (1977) |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|------------|---|--------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 68515-73-1 | Decyl-octyl glycosides oligomer | | | |
| | angelehnt an OECD Guideline 303A | >99,4% | 28 | |
| | Easily biodegradable (concerning to the criteria of the OECD) | | | |
| 5949-29-1 | Citric acid | | | |
| | OECD 301E (Modified OECD screening test) | 100% | 19 | ECHA |
| | leicht abbaubar / readily biodegradable | | | |
| | OECD 301B (CO2 evolution test) | 97% | 28 | ECHA |
| | leicht abbaubar / readily biodegradable | | | |
| | OECD 302B (Inherent biodegradability: Zahn-Wellens) | 85% | 14 | ECHA |
| | leicht abbaubar / readily biodegradable | | | |

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

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12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name:

No dangerous good in sense of these transport regulations.

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): 2 % (20,2 g/l)

2004/42/EC (VOC): 2,1 % (21,21 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation). To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,11,12.

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Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|---------------------|--------------------------|
| Skin Irrit. 2; H315 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |

Relevant H and EUH statements (number and full text)

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
EUH071 Corrosive to the respiratory tract.

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Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)