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Valid from: 28.03.2022
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Cabriovertdeckreiniger
Convertible Soft Top Cleaner

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Cabriovertdeckreiniger Convertible Soft Top Cleaner

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

Universal cleaner

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH
Jerg-Wieland-Str. 4
89081 Ulm-Lehr
Tel.: (+49) 0731-1420-0
Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR)
+1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH208-Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

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SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

| 1-methoxy-2-propanol | Substance for which an EU exposure limit value applies. |
|--|---|
| Registration number (REACH) | 01-2119457435-35-XXXX |
| Index | 603-064-00-3 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 203-539-1 |
| CAS | 107-98-2 |
| content % | 1-2,5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Flam. Liq. 3, H226 STOT SE 3, H336 |

| D-Glucopyranose, oligomer, decyl octyl glycoside | |
|--|--|
| Registration number (REACH) | 01-2119488530-36-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 500-220-1 |
| CAS | 68515-73-1 |
| content % | 1-2,5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Eye Dam. 1, H318 |
| Specific Concentration Limits and ATE | Eye Dam. 1, H318: >=6 % Eye Irrit. 2, H319: >=2 % |

| Trisodium nitrilotriacetate | |
|--|---|
| Registration number (REACH) | --- |
| Index | 607-620-00-6 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 225-768-6 |
| CAS | 5064-31-3 |
| content % | 0,05-<0,5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Eye Irrit. 2, H319 Carc. 2, H351 |
| Specific Concentration Limits and ATE | Carc. 2, H351: >=5 % |

| 1,2-benzisothiazol-3(2H)-one | |
|--|---|
| Registration number (REACH) | --- |
| Index | 613-088-00-6 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 220-120-9 |
| CAS | 2634-33-5 |
| content % | 0,005-<0,05 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 |
| Specific Concentration Limits and ATE | Skin Sens. 1, H317: >=0,05 % |

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

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Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

Sensitive individuals:

Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic gases

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

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6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13. Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid contact with eyes or skin.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Protect from frost.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Chemical Name | 1-methoxy-2-propanol | | Content %:1-2,5 |
|---|---|-----|-----------------|
| WEL-TWA: 100 ppm (375 mg/m ³) (WEL, EU) | WEL-STEL: 150 ppm (560 mg/m ³) (WEL), 150 ppm (568 mg/m ³) (EU) | --- | |
| Monitoring procedures: | INSHT MTA/MA-017/A89 (Determination of glycol ethers (1-methoxy-2-propanol, 2-ethoxyethanol) in air - Charcoal tube method / Gas chromatography) - 1989 - EU - project BC/CEN/ENTR/000/2002-16 card 12-1 (2004) - NIOSH 2554 (GLYCOL ETHERS) - 2003 - OSHA 99 (Propylene Glycol Monomethyl Ethers/Acetates) - 1993 | | |
| BMGV: --- | Other information: Sk (WEL) | | |

| 1-methoxy-2-propanol | | | | | | |
|----------------------|--|-----------------------------|------------|-------|--------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 10 | mg/l | |
| | Environment - marine | | PNEC | 1 | mg/l | |
| | Environment - periodic release | | PNEC | 100 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 41,6 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 4,17 | mg/kg dw | |
| | Environment - soil | | PNEC | 2,47 | mg/kg dw | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 33 | mg/kg bw/day | |

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| | | | | | | |
|---------------------|--------------------|------------------------------|------|-------|--------------|--|
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 78 | mg/kg bw/day | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 553,5 | mg/m3 | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 43,9 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 183 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 369 | mg/m3 | |
| Workers / employees | Human - oral | Long term, systemic effects | DNEL | 3,3 | mg/kg | |
| Workers / employees | Human - oral | Long term, systemic effects | DNEL | 183 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 553,5 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 553,5 | mg/m3 | |

| Trisodium nitrilotriacetate | | | | | | |
|-----------------------------|--|------------------------------|------------|-------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,93 | mg/l | |
| | Environment - marine | | PNEC | 0,093 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,915 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 540 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 3,64 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,364 | mg/kg | |
| | Environment - soil | | PNEC | 0,182 | mg/kg | |
| | Environment - oral (animal feed) | | PNEC | 0,2 | mg/kg | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 1,75 | mg/m3 | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 1,75 | mg/m3 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,5 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 5,25 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 5,25 | mg/m3 | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 3,5 | mg/m3 | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 3,5 | mg/m3 | |

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause

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sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.
Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
These are specified by e.g. EN 14042.
EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

Skin protection - Hand protection:
Protective nitrile gloves (EN ISO 374).
Protective gloves in butyl rubber (EN ISO 374).
Minimum layer thickness in mm:
0,4
Permeation time (penetration time) in minutes:
> 480
The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
The recommended maximum wearing time is 50% of breakthrough time.
Protective hand cream recommended.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
Normally not necessary.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-------------------------------|--|
| Physical state: | Liquid |
| Colour: | Colourless |
| Odour: | Characteristic |
| Melting point/freezing point: | There is no information available on this parameter. |

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| | |
|---|--|
| Boiling point or initial boiling point and boiling range: | ~100 °C |
| Flammability: | Flammable |
| Lower explosion limit: | There is no information available on this parameter. |
| Upper explosion limit: | There is no information available on this parameter. |
| Flash point: | >65 °C |
| Auto-ignition temperature: | No |
| Decomposition temperature: | There is no information available on this parameter. |
| pH: | 10 (20°C, DIN 19268) |
| Kinematic viscosity: | There is no information available on this parameter. |
| Solubility: | Soluble |
| Partition coefficient n-octanol/water (log value): | Does not apply to mixtures. |
| Vapour pressure: | 23 hPa (20°C) |
| Density and/or relative density: | 1,015 g/cm ³ (20°C, DIN 51757) |
| Relative vapour density: | There is no information available on this parameter. |
| Particle characteristics: | Does not apply to liquids. |

9.2 Other information

| | |
|--------------------|---------------------------|
| Explosives: | Product is not explosive. |
| Oxidising liquids: | No |
| Bulk density: | n.a. |
| Solvents content: | 2 % |

SECTION 10: Stability and reactivity

10.1 Reactivity

Not to be expected

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

Possibly more information on health effects, see Section 2.1 (classification).

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| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|---|----------|-------|------|----------|-------------|--------|
| Acute toxicity, by oral route: | | | | | | n.d.a. |
| Acute toxicity, by dermal route: | | | | | | n.d.a. |
| Acute toxicity, by inhalation: | | | | | | n.d.a. |
| Skin corrosion/irritation: | | | | | | n.d.a. |
| Serious eye damage/irritation: | | | | | | n.d.a. |
| Respiratory or skin sensitisation: | | | | | | n.d.a. |
| Germ cell mutagenicity: | | | | | | n.d.a. |
| Carcinogenicity: | | | | | | n.d.a. |
| Reproductive toxicity: | | | | | | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | n.d.a. |
| Aspiration hazard: | | | | | | n.d.a. |

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| | | | | | | |
|-----------|--|--|--|--|--|--------|
| Symptoms: | | | | | | n.d.a. |
|-----------|--|--|--|--|--|--------|

| 1-methoxy-2-propanol | | | | | | |
|---|----------|-------|---------|------------|---|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rabbit | Regulation (EC) 440/2008 B.3 (ACUTE TOXICITY (DERMAL)) | |
| Acute toxicity, by inhalation: | LC0 | 7 | mg/l/6h | | OECD 403 (Acute Inhalation Toxicity) | Vapours |
| Skin corrosion/irritation: | | | | Rabbit | Regulation (EC) 440/2008 B.4 (DERMAL IRRITATION/CORROSION) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | Regulation (EC) 440/2008 B.5 (ACUTE EYE IRRITATION/CORROSION) | Not irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION) | Not sensitising |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | May cause drowsiness or dizziness., STOT SE 3, H336 |
| Symptoms: | | | | | | drowsiness, unconsciousness, headaches, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting. |

| D-Glucopyranose, oligomer, decyl octyl glycoside | | | | | | |
|--|----------|-------|-------|------------|---|-------------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | | | Eye Dam. 16% solution |
| Serious eye damage/irritation: | | | | | | Eye Irrit. 22% solution |
| Respiratory or skin sensitisation: | | | | Guinea pig | Regulation (EC) 440/2008 B.6 (SKIN SENSITISATION) | Not sensitising |
| Germ cell mutagenicity: | | | | | | Negative |

| Trisodium nitrilotriacetate | | | | | | |
|-----------------------------|----------|-------|------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |

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| | | | | | | |
|------------------------------------|------|--------|---------|------------|--|---|
| Acute toxicity, by oral route: | LD50 | 1740 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >10000 | mg/kg | Rabbit | | |
| Acute toxicity, by inhalation: | LC50 | >5 | mg/l/4h | | | References, Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | | | No indications of such an effect. |
| Carcinogenicity: | | | | Mouse | | Carc. 218 months |
| Reproductive toxicity: | | | | | | No indications of such an effect. |
| Symptoms: | | | | | | eyes, reddened, rash, gastrointestinal disturbances, mucous membrane irritation, nausea and vomiting. |

| 1,2-benzisothiazol-3(2H)-one | | | | | | |
|------------------------------------|----------|-------|---------|------------|-------------------------------|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 1193 | mg/kg | Rat | | |
| Acute toxicity, by oral route: | LD50 | 490 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | 4115 | mg/kg | Rat | | |
| Acute toxicity, by inhalation: | LC50 | 0,25 | mg/l/4h | Rat | | Aerosol, Does not conform with EU classification. |
| Skin corrosion/irritation: | | | | | | Skin Irrit. 2 |
| Serious eye damage/irritation: | | | | | | Eye Dam. 1 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Skin Sens. 1 |
| Germ cell mutagenicity: | | | | | | Negative |
| Symptoms: | | | | | | vomiting, headaches, gastrointestinal disturbances, nausea |

11.2. Information on other hazards

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|---|----------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Endocrine disrupting properties: | | | | | | Does not apply to mixtures. |
| Other information: | | | | | | No other relevant information available on adverse effects on health. |

SECTION 12: Ecological information

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Possibly more information on environmental effects, see Section 2.1 (classification).

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|---|-----------------|-------------|--------------|-------------|-----------------|--------------------|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | | | | | | | n.d.a. |
| 12.1. Toxicity to daphnia: | | | | | | | n.d.a. |
| 12.1. Toxicity to algae: | | | | | | | n.d.a. |
| 12.2. Persistence and degradability: | | | | | | | The surfactant(s) contained in this mixture 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. |
| 12.3. Bioaccumulative potential: | | | | | | | n.d.a. |
| 12.4. Mobility in soil: | | | | | | | n.d.a. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | n.d.a. |
| 12.6. Endocrine disrupting properties: | | | | | | | Does not apply to mixtures. |
| 12.7. Other adverse effects: | | | | | | | No information available on other adverse effects on the environment. |
| Other information: | | | | | | | DOC-elimination degree(complexing organic substance)>= 80%/28d: Yes |

| 1-methoxy-2-propanol | | | | | | | |
|--|-----------------|-------------|--------------|-------------|---------------------|--------------------------------------|-------------------------------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | 6812 | mg/l | Leuciscus idus | DIN 38412 T.15 | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| 12.4. Mobility in soil: | Koc | | 0,2-1 | | | | High |
| 12.1. Toxicity to fish: | LC50 | 96h | 20800 | mg/l | Pimephales promelas | | ASTM |
| 12.1. Toxicity to fish: | LC50 | 96h | >=1000 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |

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|--------------------------------------|---------|-----|--------|------|---------------------------------|--|---|
| 12.3. Bioaccumulative potential: | BCF | | <100 | | | | Low |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >500 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | IC50 | 72h | >1000 | mg/l | Pseudokirchneriella subcapitata | | |
| 12.2. Persistence and degradability: | | 28d | 90 | % | | OECD 301 E (Ready Biodegradability - Modified OECD Screening Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | ~-0,49 | | | | Not to be expected |
| Toxicity to bacteria: | EC50 | | >1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Other information: | | | | | | | Does not contain any organically bound halogens which can contribute to the AOX value in waste water. |

D-Glucopyranose, oligomer, decyl octyl glycoside

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|----------|------|-------|------|-------------------------|--|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | 126 | mg/l | Brachydanio rerio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >100 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC20 | 72h | 27,22 | mg/l | Scenedesmus subspicatus | DIN 38412 T.9 | |
| 12.2. Persistence and degradability: | | 28d | 55 | % | | OECD 306 (Biodegradability in Seawater) | |
| Toxicity to bacteria: | EC50 | 6h | >560 | mg/l | Pseudomonas putida | | |

Trisodium nitrilotriacetate

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|----------|------|--------|------|---------------------|--|---|
| 12.3. Bioaccumulative potential: | Log Pow | | -2,62 | | | | Bioaccumulation is unlikely (LogPow < 1). |
| 12.1. Toxicity to fish: | LC50 | 96h | >100 | mg/l | Pimephales promelas | | References |
| 12.1. Toxicity to daphnia: | EC50 | 96h | 98 | mg/l | Gammarus sp. | | References |
| 12.2. Persistence and degradability: | | 28d | 90-100 | % | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |

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|--|------|-----|-----------|------|-------------------------|---|-------------------------------------|
| 12.2. Persistence and degradability: | COD | 28d | > 90 | % | activated sludge | OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | <3 | | Brachydanio rerio | | |
| 12.1. Toxicity to algae: | EC50 | 72h | >91,5 | mg/l | Scenedesmus subspicatus | | |
| Other information: | COD | | 625 | mg/g | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Water solubility: | | | 660 | g/l | | | Soluble 20°C |
| Toxicity to bacteria: | EC50 | 8h | 3200-5600 | mg/l | Pseudomonas fluorescens | DIN 38412 T.8 | |

1,2-benzisothiazol-3(2H)-one

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|-----------|------|--------------|------|---------------------------------|--|-----------------------|
| Toxicity to bacteria: | EC50 | 3h | 0,4 | mg/l | Pseudomonas putida | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 2,18 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.2. Persistence and degradability: | | | 90 | % | | OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMPA Test) | |
| 12.3. Bioaccumulative potential: | BCF | | 6,95 | | | OECD 305 (Bioconcentration - Flow-Through Fish Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 2,94 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 0,11 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 0,027-0,0403 | mg/l | Skeletonema costatum | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | DOC | | >70 | % | | OECD 303 A (Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units) | |
| 12.2. Persistence and degradability: | | | | | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 1,3 | | | | |

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|--|---------|----|-----|------|------------------|--|-------------------------------------|
| 12.3. Bioaccumulative potential: | Log Pow | | 0,7 | | | OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method) | |
| Toxicity to bacteria: | EC20 | 3h | 3,3 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.
 Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
 20 01 29 detergents containing hazardous substances
 07 06 99 wastes not otherwise specified

Recommendation:

Sewage disposal shall be discouraged.
 Pay attention to local and national official regulations.
 E.g. dispose at suitable refuse site.
 Can be disposed of with household rubbish.

For contaminated packing material

Pay attention to local and national official regulations.
 Empty container completely.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.
 Untaminated packaging can be recycled.
 Recommended cleaner:
 Water

SECTION 14: Transport information

General statements

14.1. UN number or ID number: n.a.

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es):

14.4. Packing group:

Classification code:

LQ:

14.5. Environmental hazards:

Tunnel restriction code:

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

14.3. Transport hazard class(es):

14.4. Packing group:

Marine Pollutant:

14.5. Environmental hazards:

Transport by air (IATA)

14.2. UN proper shipping name:

n.a.

n.a.

n.a.

n.a.

n.a.

Not applicable

n.a.

n.a.

n.a.

Not applicable

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14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:
 General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): 2 %

REGULATION (EC) No 648/2004

less than 5 %
 non-ionic surfactants

BENZISOTHIAZOLINONE
 LAURYLAMINE DIPROPYLENEDIAMINE
 SODIUM PYRITHIONE

National rules/regulation for the compliance with maximum quantities with regard to phosphates and or phosphorous compounds must be observed and complied with.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H400 Very toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid
 STOT SE — Specific target organ toxicity - single exposure - narcotic effects
 Eye Dam. — Serious eye damage
 Acute Tox. — Acute toxicity - oral
 Eye Irrit. — Eye irritation
 Carc. — Carcinogenicity
 Skin Irrit. — Skin irritation
 Skin Sens. — Skin sensitization
 Aquatic Acute — Hazardous to the aquatic environment - acute

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Aquatic Chronic — Hazardous to the aquatic environment - chronic

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
 Guidelines for the preparation of safety data sheets as amended (ECHA).
 Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).
 Safety data sheets for the constituent substances.
 ECHA Homepage - Information about chemicals.
 GESTIS Substance Database (Germany).
 German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
 EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.
 National Lists of Occupational Exposure Limits for each country as amended.
 Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 ATE Acute Toxicity Estimate
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BSEF The International Bromine Council
 bw body weight
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level
 DOC Dissolved organic carbon
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EbCx, EyCx, EBLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
 EC European Community
 ECHA European Chemicals Agency
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 Koc Adsorption coefficient of organic carbon in the soil
 Kow octanol-water partition coefficient
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)

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IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCILID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute for Occupational Safety and Health (USA)
NLP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development
org. organic
OSHA Occupational Safety and Health Administration (USA)
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

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