

Trade name: AlproCleaner

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| SEC  | ECTION 1: Identification of the substance/mixture and of the company/undertaking |   |  |  |  |  |  |
|------|--|---|--|--|--|--|--|
| 1.1. |  |   |  |  |  |  |  |
|      | Trade name:  | AlproCleaner  |  |  |  |  |  |
|      | UFI:   | YDX5-N7K4-C00F-9P5P   |  |  |  |  |  |
| 1.2. | Relevant identified uses of the substance or r                                   | mixture and uses advised against  |  |  |  |  |  |
|      | Relevant identified uses:  | Cleaning agent  |  |  |  |  |  |
|      | Intended purpose:  | Ready-to-use liquid cleaning agent for the spittoon bowls of dental units.  |  |  |  |  |  |
|      | Uses advised against:  | None at intended use.   |  |  |  |  |  |
|      | Note:  | The product is intended for professional users.   |  |  |  |  |  |
| 1.3. | Details of the supplier of the safety data shee                                  | et  |  |  |  |  |  |
|      | Manufacturer/Supplier:   | ALPRO MEDICAL GMBH<br>Mooswiesenstraße 9<br>D-78112 St. Georgen (Germany)<br>Telephone: +49 7725 9392-0<br>Telefax: +49 7725 9392-91<br>E-mail: info@alpro-medical.de<br>Internet: www.alpro-medical.de |  |  |  |  |  |
|      | E-mail address for the competent person responsible for the safety data sheet:   | doku@alpro-medical.de   |  |  |  |  |  |
| 1.4. | Emergency telephone number   |   |  |  |  |  |  |
|      | In-house emergency telephone number:   | +49 7725 9392-0<br>Monday – Friday from 08:00 am to 04:30 pm (UTC+1);<br>for chemical information and legal information on<br>hazardous substances only   |  |  |  |  |  |
|      | Poison centre:   | +49 761 19240<br>Poisoning information centre, Freiburg, Germany<br>(24 h / 7 d), English is spoken   |  |  |  |  |  |
|      | National Poisons Information Service (UK):                                       | +44 344 892 0111<br>National Poisons Information Service (NPIS)<br>(24 h / 7 d), Medical Professionals Only   |  |  |  |  |  |

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

## Classification in accordance with Regulation (EC) No 1272/2008 [CLP]

| ( | Classification     | Classification procedure |
|---|--------------------|--------------------------|
| E | Eye Irrit. 2; H319 | Calculation method       |

Full text of hazard classes as well as H-phrases: see under SECTION 16.1.

## 2.2. Label elements

## Label elements in accordance with Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:





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| Signal word:                        |                        | Warning   |
|-------------------------------------|------------------------|---|
| Hazard components<br>for labelling: |                        | -   |
| H- phrases:                         | H319                   | Causes serious eye irritation.  |
| P- phrases:                         | P280<br>P305+P351+P338 | Wear eye protection/face protection.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove<br>contact lenses, if present and easy to do. Continue rinsing. |
|                                     | P337+P313              | If eye irritation persists: Get medical advice/attention.   |

## 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII (see SECTION 12.5.)

The substances in the mixture do not have any endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Annex XIV (see Section 11 and Section 12.6.). They are not on the list of substances of very high concern for authorization according to Regulation (EC) No. 1907/2006, Article 59, Paragraph 10).

No further hazards known.

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Chemical characterisation:

Mixture of substances listed below with non-hazardous additions in aqueous solution.

## **Hazardous ingredients**

| Chemical name                  | Identification numbers   | Classification in accordance with<br>Regulation (EC) No 1272/2008  | Weight % |  |
|--------------------------------|--|--|----------|--|
| Propan-2-ol                    | CAS No: 67-63-0<br>EC No: 200-661-7<br>Index No: 603-117-00-0<br>REACH Registration No:<br>01-2119457558-25-XXXX   | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336  | ≥1-<5    |  |
| Trisodium<br>nitrilotriacetate | CAS No: 5064-31-3<br>EC No: 225-768-6<br>Index No: 607-620-00-6<br>REACH Registration No:<br>01-2119519239-36-XXXX | Carc. 2; H351<br>Acute Tox. 4; H302<br>Eye Irrit. 2; H319<br>Specific concentration limits:<br>Carc. 2; H351: $C \ge 5 \%$ | ≥1-<5    |  |
| 1-methoxypropan-2-ol           | CAS No: 107-98-2<br>EC No: 203-539-1<br>Index No: 603-064-00-3<br>REACH Registration No:<br>01-2119457435-35-XXXX  | Flam. Liq. 3; H226<br>STOT SE 3; H336  | ≥0.1-<1  |  |

Full text of hazard classes and H-phrases: see SECTION 16.1. Occupational exposure limits: see SECTION 8.1

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

General information:

First aider: Pay attention to self-protection!



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| Following inhalation:   | Move affected person into fresh air and keep still and warm. In case of continued complaints seek medical advice.   |
|-------------------------|---|
| Following skin contact: | Wash skin immediately with plenty of water and soap. In case of skin reactions, consult a physician.  |
| Following eye contact:  | Flush eyes immediately with flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Consult an ophthalmologist. |
| Following ingestion:    | Rinse mouth with water. Let drink plenty of water. Do not induce vomiting.<br>Consult a physician immediately.  |

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

Causes serious eye irritation.

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

No information available.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

| Suitable extinguishing media:   | Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO2) |
|---------------------------------|---|
| Unsuitable extinguishing media: | Full water jet  |

## 5.2. Special hazards arising from the substance or mixture

| Hazardous combustion products:<br>5.3. Advice for firefighters |                               | Carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ) |  |  |
|--|-------------------------------|---|--|--|
|  |                               |   |  |  |
|  | Special protective equipment: | Wear self-contained breathing apparatus.  |  |  |
|  | Further information:          | Cool endangered containers with water spray jet.  |  |  |
|  |                               |   |  |  |

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

## For non-emergency personnel

Use personal protective equipment. See SECTION 8.2.

Avoid skin and eye contact. Special danger of slipping by leaked/spilled product.

## For emergency responders

Use personal protective equipment. See SECTION 8.2.

## 6.2. Environmental precautions

Do not discharge into drains or surface and ground water.

## 6.3. Methods and material for containment and cleaning up

## Containment

For large spills, dyke spilled material or otherwise contain material to ensure runoff does not reach a waterway. Cover or seal drains.

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## Cleaning up

Wipe up small amounts with absorbent material (e.g. cloth, fleece). Absorb large amounts with liquidbinding material (sand, diatomaceous earth, universal binder, sawdust). Collect in suitable, closed containers for disposal. Clean contaminated surfaces thoroughly.

## Other information

Inappropriate containment and cleaning methods are not known.

## 6.4. Reference to other sections

Information on safe handling see SECTION 7.1. Information on personal protective equipment see SECTION 8.2. Information on disposal see SECTION 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

## Precautions

Avoid contact with skin and eyes. Fill refill packages only in labelled original bottles.

Do not mix with other cleaners or disinfectants.

## Advice on general occupational hygiene

When using do not eat, drink or smoke. Wash hands before breaks and at end of work. Keep away from medicines, food, feed, cosmetics and stimulants.

## 7.2. Conditions for safe storage, including any incompatibilities

| Requirements for storage rooms and vessels: | Keep only in the original container. Keep container tightly closed and kept upright to prevent any leakage. |
|---|---|
| Advice on common storage:                   | Not necessary   |
| Further information on storage conditions:  | Not necessary   |

## 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific end uses are stipulated.

## Industry and sector specific guidance

- [DE] TRGS 525 Hazardous substances in medical care facilities (Section 7 Activities with disinfectants); Issue: September 2014; source: GMBI 2014 page 1294-1307 of 13.10.2014 [No 63]; 10.07.2015 [No 27]; www.baua.de.
- [DE] DGUV rules 207-206 Prevention of chemical risks when handling disinfectants in health service, Issue: 2016.12; source: https://publikationen.dguv.de



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## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

## Occupational exposure limits

|                  | Limit values                            |             |              |       |                          |                          |  |
|------------------|---|-------------|--------------|-------|--------------------------|--------------------------|--|
| Country          | Long term                               |             | Short term   |       | Legal                    | Remarks                  |  |
| country          | (8 hours)                               |             | (15 minutes) |       | basis                    | nemarks                  |  |
|                  | ррт                                     | mg/m³       | ррт          | mg/m³ |                          |                          |  |
| Propan-2-ol (CA  | AS No: 67-63-0)                         |             |              |       |                          |                          |  |
| EU               |   |             |              |       | no limit value specified |                          |  |
| UK               | 400                                     | 999         | 500 1250     |       | EH40                     |                          |  |
| Trisodium nitril | otriacetate (CA                         | S No: 5064- | 31-3)        |       |                          |                          |  |
| EU               |   |             |              |       |                          | no limit value specified |  |
| UK               |   |             |              |       | no limit value specified |                          |  |
| 1-methoxyprop    | 1-methoxypropan-2-ol (CAS No: 107-98-2) |             |              |       |                          |                          |  |
| EU               | 100                                     | 375         | 150          | 568   | 2000/39/EG               | Skin                     |  |
| UK               | 100                                     | 375         | 150          | 560   | EH40                     | Sk                       |  |

#### Used abbreviations, symbols, numerals and explanations

Skin A significant uptake of the substance through the skin is possible.

Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

## **Biological limit values**

| Country       | Parameter                 | Limit value  | Test<br>material | Sampling time                         | Legal<br>basis |
|---------------|---------------------------|--------------|------------------|---------------------------------------|----------------|
| Propan-2-ol ( | CAS No: 67-63-0           | )            |                  |                                       |                |
| Germany       | Acetone                   | 25 mg/l      | Whole<br>blood   | End of exposition, resp. end of shift | TRGS 903       |
|               | Acetone                   | 25 mg/l      | Urine            | End of exposition, resp. end of shift | TRGS 903       |
| 1-methoxypr   | opan-2-ol (CAS N          | lo: 107-98-2 | )                |                                       |                |
| Commons       | 1-methoxy-<br>propan-2-ol | 15 mg/l      | Whole<br>blood   | End of exposition, resp. end of shift | TRGS 903       |
| Germany       | 1-methoxy-<br>propan-2-ol | 15 mg/l      | Urine            | End of exposition, resp. end of shift | TRGS 903       |

## Information on monitoring procedures

BS EN 482:2021-04; Title: Workplace exposure - Procedures for the determination of the concentration of chemical agents;

British version of EN 482:2021

BS EN 689:2018; Title: Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy; British version of EN 689:2018

BS EN 14042:2003-04-24; Title: Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents; British version of EN 14042:2003)

CEN/TR 17055:2017; Title: Workplace exposure. Measurement of chemical agents complying with the requirements given in EN 482 and either one of EN 838, EN 1076, EN 13205, EN 13890 and EN 13936. Choice of procedures

ISO TR 14294:2011; Title: Workplace atmospheres. Measurement of dermal Exposure. Principles and methods

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## 8.2. Exposure controls

#### Appropriate engineering controls

## Technical and organisational protective measures

The eyewash station (or eyewash bottle) must be located near the workplace.

## Personal protective equipment

| Eye/face protectio | n:           | Safety glasses with side protection according to BS EN 166   |
|--------------------|--------------|--|
| Skin protection:   |              |  |
| Hand protectio     | n:           | Protective gloves according to BS EN ISO 374-1 and BS EN 21420<br><u>Splash guard:</u><br>Protective gloves: type C; permeation-resistant at least 10 minutes<br><u>Permanent contact (&gt; 480 min):</u><br>Protective gloves: type A or B; code letters: G, K, O, H;<br>permeation-resistant at least 30 minutes |
| Other skin prot    | ection:      | Not necessary when used as intended.   |
| Respiratory protec | tion:        | Not necessary when used as intended.   |
| Thermal hazards:   |              | No special protective measures necessary.  |
| -<br>              | ure controls |  |

## **Environmental exposure controls**

Not necessary

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

| · · · · · · · · · · · · · · · · · · ·     | · · · · · · · · · · ·              |         |
|---|------------------------------------|---------|
| Appearance/physical state:                | slightly cloudy, colourless liquid |         |
| Odour:                                    | alcoholic, of lemon                |         |
| Odour threshold:                          | no data available                  |         |
| Melting point/freezing point:             | no data available                  |         |
| Initial boiling point and boiling range:  | no data available                  |         |
| Flammability (solid, gas):                | not applicable                     |         |
| Lower explosive limit:                    | not applicable                     |         |
| Upper explosive limit:                    | not applicable                     |         |
| Flash point:                              | > 60 °C                            |         |
| Auto-ignition temperature:                | no data available                  |         |
| pH (undiluted):                           | 12.0 – 13.0                        | (20 °C) |
| Kinematic viscosity:                      | no data available                  |         |
| Solubility in water:                      | completely soluble                 |         |
| Partition coefficient:<br>n-octanol/water | not applicable                     |         |
| Vapour pressure:                          | no data available                  | ( °C)   |
| Density:                                  | $1.000 - 1.010 \text{ g/cm}^3$     | (20 °C) |
| Relative vapour density:                  | no data available                  |         |
| Particle characteristics:                 | not applicable                     |         |
|   |                                    |         |



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## 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

| Explosive substances/mixtures and pro  | oducts containing     |                |  |
|--|-----------------------|----------------|--|
| explosives:                            |                       | not applicable |  |
| Flammable gases:                       |                       | not applicable |  |
| Aerosols:                              |                       | not applicable |  |
| Oxidising gases:                       |                       | not applicable |  |
| Gases under pressure:                  |                       | not applicable |  |
| Flammable liquids:                     |                       | not applicable |  |
| Flammable solids:                      |                       | not applicable |  |
| Self-reactive substances and mixtures: |                       | not applicable |  |
| Pyrophoric liquids:                    |                       | not applicable |  |
| Pyrophoric solids:                     |                       | not applicable |  |
| Self-heating substances and mixtures:  |                       | not applicable |  |
| Substances and mixtures, which emit f  | lammable gases        |                |  |
| in contact with water:                 |                       | not applicable |  |
| Oxidising liquids:                     |                       | not applicable |  |
| Oxidising solids:                      |                       | not applicable |  |
| Organic peroxides:                     |                       | not applicable |  |
| Substances and mixtures corrosive to r | metals:               | not applicable |  |
| Desensitised explosives:               |                       | not applicable |  |
| 9.2.2. Other safety characteristics    |                       |                |  |
| Electrical conductivity (undiluted):   | 10,000 – 13,000 μS/cm | (20 °C)        |  |
|  |                       |                |  |

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No hazardous reactions when handled and stored as intended.

## 10.2. Chemical stability

The product is stable when handled and stored as intended.

## 10.3. Possibility of hazardous reactions

None known

## 10.4. Conditions to avoid

None known

## 10.5. Incompatible materials

No incompatible materials known when used as intended.

## 10.6. Hazardous decomposition products

Does not decompose when used as intended.

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## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

## Acute toxicity

Product

| Acute toxicity - oral:       | Acute Toxicity Estimate ATE <sub>mix</sub> > 2000 mg/kg<br>=> no classification |
|------------------------------|---|
| Acute toxicity - dermal:     | Acute Toxicity Estimate ATE <sub>mix</sub> > 2000 mg/kg<br>=> no classification |
| Acute toxicity - inhalation: | Acute Toxicity Estimate ATE <sub>mix</sub> > 20 mg/l<br>=> no classification    |

#### Ingredients

Trisodium nitrilotriacetate (CAS No: 5064-31-3):Acute toxicity - oral:1470 mg/kg bw; species: rat; strain: Wistar method: EU method B.1

#### Skin corrosion/irritation

Product

No classification. [calculation method]

#### Serious eye damage/irritation

#### Product

Causes serious eye irritation. [calculation method]

## Respiratory or skin sensitisation

Product

No data available.

## Germ cell mutagenicity

Product

No data available.

#### Carcinogenicity

## Product

No classification. [calculation method]

## Ingredients

Trisodium nitrilotriacetate (CAS No: 5064-31-3):

Carcinogenity: NOAEL: 9 mg/kg bw/d; species: rat; strain: Fischer 344; oral uptake; target organ: urogenital, kidney; method: study

#### **Reproductive toxicity**

#### Product

No classification. [calculation method]

#### **STOT-single exposure**

#### Product

No classification. [calculation method]

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## Ingredients

Propan-2-ol (CAS No: 67-63-0): May cause drowsiness or dizziness.

1-methoxypropan-2-ol (CAS No: 107-98-2): May cause drowsiness or dizziness.

#### **STOT-repeated exposure**

Product

No data available.

#### Aspiration hazard

Product

No data available.

#### Information on other hazards

Endocrine disrupting properties:

No substances are contained that have endocrine disrupting properties for humans.

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

No classification. [calculation method]

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII.

#### 12.6. Endocrine disrupting properties

No substances are contained that have endocrine disrupting properties for non-target organisms.

#### 12.7. Other adverse effects

No data available.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

#### **Disposal of the product**

Product residues must be disposed of as hazardous waste in compliance with the Directive 2008/98/EC on waste as well as national and regional regulations. Do not dispose of via the waste water. Leave product in the original container as possible. Do not mix with other waste materials.

Waste codes / waste designations according to EWC

Product residues: 16 10 01\* aqueous liquid wastes containing hazardous substances







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## Disposal of the packaging

Packaging contaminated with product is considered as hazardous waste and must be disposed of accordingly.

Waste codes / waste designations according to EWC

Contaminated packaging:

15 01 10\* packaging containing residues of or contaminated by hazardous substances

## Recommendation

Contaminated packaging must be emptied optimally and can be recycled after appropriate cleaning (rinse with water).

From a dilution to 1 % the concentrate is no longer classified as a hazardous substance.

## **SECTION 14: Transport information**

## 14.0. Transport classification

No dangerous good in sense of the transport regulations in road traffic (ADR), railway traffic (RID), inland waterway traffic (ADN), maritime traffic (IMDG-Code) and air traffic (ICAO-TI/IATA-DGR).

## 14.1.UN number

## 14.2. UN proper shipping name

14.3. Transport hazard class(es)

## 14.4. Packing group

- 14.5. Environmental hazards
- 14.6. Special precautions for user

## 14.7. Maritime transport in bulk according to IMO instruments

## 14.8. Further information

## **SECTION 15: Regulatory information**

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

## **EU-Regulations**

REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer

not applicable

REGULATION (EC) No 2019/1021 on persistent organic pollutants

not applicable

REGULATION (EU) No 649/2012 concerning the export and import of hazardous chemicals



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not applicable

REGULATION (EU) No 648/2004 on detergents

Anionic surfactants: < 5 % NTA (nitrilotriacetic acid): < 5 % Disinfectants Perfumes

DIRECTIVE 2012/18/EU (Seveso III Directive) on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

not applicable

DIRECTIVE 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content: < 4 %

REACH - List of substances subject to authorisation (Annex XIV)

not applicable

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

not applicable

COUNCIL DIRECTIVE 94/33/EC on the protection of young people at work

not applicable

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding

not applicable

#### 15.2. Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.

#### **SECTION 16: Other information**

#### 16.1. Full text of hazard classes and H-phrases

#### **Hazard classes**

| Acute Tox. | Acute toxicity                                   |
|------------|--|
| Carc.      | Carcinogenicity                                  |
| Eye Irrit. | Eye irritation                                   |
| Flam. Liq. | Flammable liquid                                 |
| STOT SE    | Specific target organ toxicity (single exposure) |

#### H-phrases (Hazard statements)

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>.



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## 16.2. Abbreviations and acronyms

|      | ADN  | <u>A</u> ccord européen relatif au transport international des marchandises <u>d</u> angereuses par voie de <u>n</u> avigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |  |  |  |
|------|--|---|--|--|--|
|      | ADR  | <u>A</u> ccord européen relatif au transport international des marchandises <u>d</u> angereuses par <u>r</u> oute (European Agreement concerning the International Carriage of Dangerous Goods by Road)                                     |  |  |  |
|      | BS   | <u>B</u> ritish <u>S</u> tandards   |  |  |  |
|      | CAS  | <u>C</u> hemical <u>A</u> bstracts <u>S</u> ervice  |  |  |  |
|      | CLP  | Regulation on <u>Classification, Labelling</u> and <u>Packaging</u> of Substances and Mixtures  |  |  |  |
|      | [DE]   | National German regulations   |  |  |  |
|      | DGUV   | Deutsche Gesetzliche Unfallversicherung (English: German statutory accident insurance)  |  |  |  |
|      | EC   | <u>E</u> uropean <u>C</u> ommunity  |  |  |  |
|      | EEC  | <u>E</u> uropean <u>E</u> conomic <u>C</u> ommunity   |  |  |  |
|      | EN   | European Standard   |  |  |  |
|      | EU   | <u>E</u> uropean <u>U</u> nion  |  |  |  |
|      | EWC  | <u>E</u> uropean <u>W</u> aste <u>C</u> atalogue  |  |  |  |
|      | GMBI   | <u>G</u> emeinsames <u>M</u> inisterial <u>bl</u> att (English: Joint Ministerial Gazette)  |  |  |  |
|      | IATA-DGR   | International <u>Air Transport Association - Dangerous G</u> oods <u>Regulations</u>  |  |  |  |
|      | ICAO-TI  | Technical Instructions For The Safe Transport of Dangerous Goods by Air   |  |  |  |
|      | IMDG-Code  | International <u>M</u> aritime Code for <u>D</u> angerous <u>G</u> oods   |  |  |  |
|      | LC <sub>50</sub>                                     | Median lethal concentration   |  |  |  |
|      | LD <sub>50</sub>                                     | Median lethal dose  |  |  |  |
|      | NOAEL  | No Observed Adverse Effect Level  |  |  |  |
|      | OECD   | Organization for Economic Co-operation and Development  |  |  |  |
|      | PBT  | Persistent, <u>b</u> ioaccumulative and <u>t</u> oxic   |  |  |  |
|      | ppm  | <u>P</u> arts <u>p</u> er <u>m</u> illion   |  |  |  |
|      | REACH  | <u>Registration, Evaluation, Authorisation and Restriction of Chemicals</u>   |  |  |  |
|      | RID  | <u>R</u> èglement concernant le transport <u>International ferroviaire</u> de marchandises <u>D</u> angereuses<br>(Regulations Concerning the International Carriage of Dangerous Goods by Rail)  |  |  |  |
|      | TRGS   | Technische Regeln für Gefahrstoffe (English: Technical Rules for Hazardous Substances)  |  |  |  |
|      | UN   | United Nations  |  |  |  |
|      | UTC  | Coordinated Universal Time (French: Temps Universel Coordonné))   |  |  |  |
|      | VOC  | Volatile Organic Compounds  |  |  |  |
|      | vPvB   | Very persistent and very bioaccumulative  |  |  |  |
| 16.3 | 16.3. Key literature references and sources for data |   |  |  |  |
|      |  |   |  |  |  |

- Regulation (EC) No 1907/2006 (REACH), Annex II
- European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets; Version 4.0 (December 2022); https://echa.europa.eu/documents
- Regulation (EC) No 1272/2008 (CLP regulation)
- European Chemicals Agency (ECHA) Guidance on Labelling and Packaging in accordance with Regulation (EC) No 1272/2008; Version 4.2 (03/2021); https://echa.europa.eu/documents
- European Chemicals Agency (ECHA), Registered substances; https://echa.europa.eu/information-on-chemicals/registered-substances
- European Chemicals Agency (ECHA), C&L Classification and Labelling Inventory; https://echa.europa.eu/information-on-chemicals/cl-inventory-database
- Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA):
  GESTIS database on hazardous substances and GESTIS International limit values for chemical agents;
  https://www.dguv.de/ifa/index.jsp
- German Environmental Agency (Umweltbundesamt), Section IV 2.4: Office of Documentation and Information on Substances Hazardous to Waters RIGOLETTO (catalogue of Substances Hazardous to Waters); https://webrigoletto.uba.de/rigoletto



## Trade name: AlproCleaner

Issue/Revision: 20.02.2024

Version: 3.1 Replaces version: 3.0

# 16.4. Methods according to Article 9 of Regulation (EC) No 1272/2008 for the evaluation of information for classification purposes

Calculation method according to the criteria in Annex I 1272/2008. Flash point according to EN ISO 2719:2002. pH value measurement. Material compatibility and corrosiveness in practical tests.

## 16.5. Training advice

Provide adequate information, instructions and training for users.

## 16.6. Indication of changes

A dash in the left hand margin indicates an amendment from the previous version.

The information given in the safety data sheet only applies to the described product in connection with its intended use. This information is based on the latest state of our knowledge at the time of revision. In particular, it describes our product under the aspect of its hazards and safety measures to be taken. It does not constitute any guarantee of product properties and quality features.