according to Regulation (EC) No 1907/2006



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

1.1. Product identifier

Trade name: AlproCleaner

UFI: YDX5-N7K4-C00F-9P5P

1.2. Relevant identified uses of the substance or 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 sheet

Manufacturer/Supplier: ALPRO MEDICAL GMBH

Mooswiesenstraße 9

D-78112 St. Georgen (Germany) Telephone: +49 7725 9392-0 Telefax: +49 7725 9392-91 E-mail: info@alpro-medical.de 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

Monday – Friday from 08:00 am to 04:30 pm (UTC+1); for chemical information and legal information on

hazardous substances only

Poison centre: +49 761 19240

Poisoning information centre, Freiburg, Germany

(24 h / 7 d), English is spoken

National Poisons Information Service (UK): +44 344 892 0111

National Poisons Information Service (NPIS) (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
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:



according to Regulation (EC) No 1907/2006



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Signal word: Warning

Hazard components

for labelling: -

H- phrases: H319 Causes serious eye irritation.

P- phrases: P280 Wear eye protection/face protection.

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

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

according to Regulation (EC) No 1907/2006



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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.

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: Carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x)

5.3. Advice for firefighters

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 liquid-binding 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 basis	Remarks	
	(8 hours)		(15 minutes)				
	ррт	mg/m³	ppm	mg/m³			
Propan-2-ol (CA	Propan-2-ol (CAS No: 67-63-0)						
EU						no limit value specified	
UK	400	999	500	1250	EH40		
Trisodium nitrilotriacetate (CAS No: 5064-31-3)							
EU						no limit value specified	
UK						no limit value specified	
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 material	Sampling time	Legal basis
Propan-2-ol (CAS No: 67-63-0)					
Germany	Acetone	25 mg/l	Whole 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-methoxypropan-2-ol (CAS No: 107-98-2)					
Germany	1-methoxy- propan-2-ol	15 mg/l	Whole blood	End of exposition, resp. end of shift	TRGS 903
	1-methoxy- 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

according to Regulation (EC) No 1907/2006



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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 protection: Safety glasses with side protection according to BS EN 166

Skin protection:

Hand protection: Protective gloves according to BS EN ISO 374-1 and BS EN 21420

Splash guard:

Protective gloves: type C; permeation-resistant at least 10 minutes

Permanent contact (> 480 min):

Protective gloves: type A or B; code letters: G, K, O, H;

permeation-resistant at least 30 minutes

Other skin protection: Not necessary when used as intended.

Respiratory protection: Not necessary when used as intended.

Thermal hazards: No special protective measures necessary.

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: not applicable

n-octanol/water

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

according to Regulation (EC) No 1907/2006



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9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosive substances/mixtures and products containing explosives: not a

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 flammable gases

in contact with water:

Oxidising liquids:

Oxidising solids:

Organic peroxides:

Substances and mixtures corrosive to metals:

not applicable
not applicable
not applicable

Desensitised explosives: not applicable

9.2.2. Other safety characteristics

Electrical conductivity (undiluted): $10,000 - 13,000 \,\mu\text{S/cm}$ (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.

according to Regulation (EC) No 1907/2006



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product

Acute toxicity - oral: Acute Toxicity Estimate $ATE_{mix} > 2000 \text{ mg/kg}$

=> no classification

Acute toxicity - dermal: Acute Toxicity Estimate $ATE_{mix} > 2000 \text{ mg/kg}$

=> no classification

Acute toxicity - inhalation: Acute Toxicity Estimate ATE_{mix} > 20 mg/l

=> 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

according to Regulation (EC) No 1907/2006



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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

according to Regulation (EC) No 1907/2006



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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 Causes serious eye irritation.

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 Accord européen relatif au transport international des marchandises dangereuses par voie de

navigation intérieure (European Agreement concerning the International Carriage of

Dangerous Goods by Inland Waterways)

ADR Accord européen relatif au transport international des marchandises dangereuses par route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

BS British Standards

CAS <u>Chemical Abstracts Service</u>

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures

[DE] National German regulations

DGUV Deutsche Gesetzliche Unfallversicherung (English: German statutory accident insurance)

EC <u>European Community</u>

EEC <u>European Economic Community</u>

EN European Standard EU European Union

EWC European Waste Catalogue

GMBI <u>G</u>emeinsames <u>M</u>inisterial<u>bl</u>att (English: Joint Ministerial Gazette)

IATA-DGR <u>International Air Transport Association - Dangerous Goods Regulations</u>

ICAO-TI Technical Instructions For The Safe Transport of Dangerous Goods by Air

IMDG-Code International Maritime Code for Dangerous Goods

LC₅₀ Median lethal concentration

LD₅₀ Median lethal dose

NOAEL No Observed Adverse Effect Level

OECD <u>Organization for Economic Co-operation and Development</u>

PBT <u>Persistent, bioaccumulative and toxic</u>

ppm Parts per million

REACH <u>Registration, Evaluation, Authorisation and Restriction of Chemicals</u>

RID \underline{R} èglement concernant le transport \underline{I} nternational ferroviaire de marchandises \underline{D} angereuses

(Regulations Concerning the International Carriage of Dangerous Goods by Rail)

TRGS <u>Technische Regeln für Gefahrstoffe</u> (English: Technical Rules for Hazardous Substances)

UN United Nations

UTC Coordinated Universal Time (French: Temps Universel Coordonné))

VOC Volatile Organic Compounds

vPvB <u>Very persistent and very bioaccumulative</u>

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

according to Regulation (EC) No 1907/2006



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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.