

**Product Name: Cleaning and disinfection fluid for cedis disinfection wipes and sprays**REF: 86801, 86802, 86804, 86805, 87200, 87204, 86700,
86701, 86703, 86704, 86749

Date of print: 12.10.2020 Date of last alteration: 12.10.2020

egger**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Cleaning and disinfection fluid for cedis disinfection wipes and sprays

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

Disinfectant

Relevant identified uses

SU21 Consumer uses: Private households (= general public = consumers)

SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)

PC8 Biocidal Products (e.g. Disinfectants, pest control)

PC35 Washing and cleaning products (including solvent based products)

PROC10 Roller application or brushing

ERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release
(including abrasive processing)**Uses advised against**

No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor: egger Otoplastik+Labortechnik GmbH

Street/POB-No.: Aybühlweg 59

Postal code/city/country: 87439 Kempten/Germany

Telephone: +49 831 58113-60

Telefax: +49 831 58113-14

Internet: www.egger-labor.com

E-mail: sales@egger-labor.de

1.4. Emergency telephone number: +49 89 19240

Emergency number: Munich, Germany, (toxicological dep. of the II. Med. Hospital)

SECTION 2: Hazards identification**2.1. Classification of substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Aquatic Chronic 3; H412; Calculation method

2.2. Label elements

Composition on the label	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 0.25 g, Didecyldimethylammoniumchloride 0.25 g, Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride 0.25 g / 100 g
Signal word	Warning
Hazard statements	H412 Harmful to aquatic life with long lasting effects. EUH 208 Contains Benzisothiazoline. May produce an allergic reaction.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P273 Avoid release to the environment.

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Supplemental label information	For professional users only. Read attached instructions before use.
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2.3. Other hazards**Health effect**

May cause an allergic skin reaction.

Environmental effects

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Substance	Identification	Classification	Contents	Notes
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl) methyl] dimethyl, chloride	CAS No.: 85409-23-0 EC No.: 287-090-7 REACH Reg. No.: 01-2120771812-51-xxxx	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Aquatic Acute 1; H400; M-factor 10 Aquatic Chronic 1; H410; M-factor 1	0,1 - 1,0 %	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No.: 68424-85-1 EC No.: 270-325-2 REACH Reg. No.: 01-2119965180-41-xxxx	Acute tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400; M-factor 10 Aquatic Chronic 1; H410; M-factor 1 Eye Dam. 1; H318	0,1 - 1,0 %	
Didecyldimethylammoniumchloride	CAS No.: 7173-51-5 EC No.: 230-525-2 Index No.: 612-131-00-6 REACH Reg. No.: 01-2119945987-15-xxxx	Eye Dam. 1; H318 Skin Corr. 1B; H314 Acute tox. 3; H301 Aquatic Acute 1; H400; M-factor 10 Aquatic Chronic 2; H411	0,1 - 1,0 %	
1,2-Benzisothiazol-3(2H) -one	CAS No.: 2634-33-5 EC No.: 220-120-9 Index No.: 613-088-00-6	Acute tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Additional information on classification: SCL: H317: C ≥ 0,05 %	0,005 < 0,05 %	
Substance comments	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: <1% Disinfectant preservative: Pyridin-2-thiol-1-oxid , 1,2-Benzothiazolin-3-on The full text for all hazard statements is displayed in section 16.			



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SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse with water. Contact physician if discomfort continues.
Ingestion	Rinse mouth with water. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	No specific symptoms noted.
Delayed symptoms and effects	May produce an allergic reaction.

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

Other information

If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards

Follow the general fire precautions indicated by the workplace.

5.3. Advice for firefighters

Personal protective equipment

Wear necessary protective equipment. For personal protection, see section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures

Avoid contact with eyes and prolonged skin contact.

6.2. Environmental precautions

Environmental precautionary measures

Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method

Recover the product and place in a suitable container for reuse. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Other instructions

See section 8 and section 13.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

No specific usage precautions noted.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in closed original container in a dry place.

Conditions for safe storage

Storage temperature

Value: 0 - 35 °C

Storage stability

Durability: 24 months.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Control parameters comments No data recorded.

DNEL / PNEC

Substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
DNEL	Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 1,64 mg/m ³ Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 3,4 mg/kg bw/d Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 3,96 mg/m ³ Group: Professional Route of exposure: Long-term dermal (systemic) Value: 5,7 mg/kg bw/d Group: Consumer Route of exposure: Long-term oral (systemic) Value: 3,4 mg/kg bw/d



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PNEC	Route of exposure: Sewage treatment plant STP Value: 0,4 mg/l Route of exposure: Soil Value: 7 mg/kg Route of exposure: Saltwater sediments Value: 0,0267 mg/l Route of exposure: Freshwater sediments Value: 0,267 mg/kg Route of exposure: Freshwater Value: 0,0009 mg/l Route of exposure: Saltwater Value: 0,00009 mg/l Route of exposure: Water Value: 0,00016 mg/l
Substance	Didcyldimethylammoniumchloride
DNEL	Group: Professional Route of exposure: Long-term dermal (systemic) Value: 8,6 mg/kg bw/d Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 18,2 mg/m ³
PNEC	Route of exposure: Soil Value: 1,4 mg/kg Route of exposure: Saltwater sediments Value: 0,282 mg/kg Route of exposure: Freshwater sediments Value: 2,82 mg/kg Route of exposure: Sewage treatment plant STP Value: 0,595 mg/l Route of exposure: Saltwater Value: 0,0002 mg/l Route of exposure: Freshwater Value: 0,002 mg/l

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure

No special precautions.

Eye / face protection

Suitable eye protection

Eye protection is not required under normal conditions.

Hand protection

Skin- / hand protection, long term contact

Gloves are recommended for prolonged use. Use protective gloves made of: Butyl rubber. Neoprene. Nitrile. EN 374.

Hand protection, comments

Breakthrough time for nitrile rubber, neoprene and butyl rubber is approx. 3 hours.

The recommendation is a qualified estimate based on knowledge of the components. Elastic gloves stretch when used as glove thickness and thus the breakthrough time reduced.

The EN 374-3 standard test is performed at 23 °C, but the practical temperature of the glove is approx. 35 °C.

The breakthrough time of the different glove guides, is therefor reduced by a factor 3.

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No special precautions.

Respiratory protection**Respiratory protection necessary at**

Respiratory protection is not required for normal use.

Thermal hazards

No recommendation given.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state** clear fluid**Colour** Colourless**Odour** Odourless

pH	Status: In delivery state Value: ~ 7,0
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Value: > 65 °C
Evaporation rate	Comments: Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Relative density	Comments: Not relevant.
Bulk density	Comments: Not relevant.
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information**Other physical and chemical properties****Comments**

No data recorded.

SECTION 10: Stability and reactivity**10.1. Reactivity**

There are no known reactivity hazards associated with this product.



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10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use. See section 10.1.

10.3. Possibility of hazardous reactions

No data recorded.

10.4. Conditions to avoid

No recommendation given.

10.5. Incompatible materials

Materials to avoid

None in particular.

10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO₂, NO_x) are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: ~ 334 mg/kg Animal test species: Rat Test reference: LD50
Substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 600 mg/kg Animal test species: Rat
Substance	Didecyldimethylammoniumchloride
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 238 mg/kg Animal test species: Rat Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: 3342 mg/kg Animal test species: Rabbit



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Substance	1,2-Benzisothiazol-3(2H)-one
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 1150 mg/kg Animal test species: Mouse Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 597 mg/kg Animal test species: Rat Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg
Other toxicological data	Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Substance	Didecyldimethylammoniumchloride
Skin corrosion / irritation test result	Toxicity type: Skin corrosion Method: OECD 404 Species: Rabbit. Evaluation result: Corrosive to skin.
Substance	Didecyldimethylammoniumchloride
Eye damage or irritation, test results	Toxicity type: Eye damage Evaluation result: No data recorded.
Substance	Didecyldimethylammoniumchloride
Respiratory or skin sensitisation	Toxicity type: Skin sensitivity Method: Buehler test. Species: Guinea Pig. Evaluation result: Not Sensitising.
Inhalation	No specific symptoms noted.
Skin contact	Skin irritation is not anticipated when used normally.
Eye contact	May cause temporary eye irritation.
Ingestion	Not likely, due to the packaging.
Sensitisation	May cause an allergic skin reaction.
Assessment of germ cell mutagenicity, classification	No evidence for germ cell mutagenicity.
Assessment of carcinogenicity, classification	No evidence for carcinogenicity.
Assessment of reproductive toxicity, classification	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.



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Assessment of specific target organ toxicity - repeated exposure, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

Symptoms of Exposure

Endocrine disruption

No evidence for endocrine disrupting properties.

Other information

No specific symptoms noted.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride
Acute aquatic, fish	Value: 0,28 mg/l Test duration: 96h Species: Pimephales promelas Method: LC50 Test reference: US-EPA
Substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Acute aquatic, fish	Value: 0,1-1 mg/l Test duration: 96 hour(s) Species: Oncorhynchus mykiss Method: LC50
Substance	Didecyldimethylammoniumchloride
Aquatic toxicity, fish	Value: > 0,1 - 1 mg/l Species: Danio rerio Method: LC50 Test reference: OECD test guideline 203
Substance	1,2-Benzisothiazol-3(2H)-one
Aquatic toxicity, fish	Value: 0,74 mg/l Test duration: 96h Method: LC50
Substance	Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride
Acute aquatic, algae	Value: 0,049 mg/l Test duration: 72h Species: Pseudokirchneriella subcapitata Method: ErC50 Test reference: OECD 201
Substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Acute aquatic, algae	Toxicity type: Acute Value: > 0,001 - 0,01 mg/l Species: Pseudokirchneriella subcapitata Method: NOEC Test reference: OECD TG 201 Value: 0,01-0,1 mg/l Test duration: 72 hour(s) Species: Selenastrum capricornutum Method: IC50



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Substance	Didecyldimethylammoniumchloride
Acute aquatic, algae	Toxicity type: Acute Value: > 0,01 - 0,1 mg/l Species: Pseudokirchneriella subcapitata Method: NOEC Test reference: OECD TG 201 Value: > 0,01 - 0,1 mg/l Species: Pseudokirchneriella subcapitata Method: EC50 Test reference: OECD TG 201
Substance	Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride
Aquatic toxicity, crustacean	Value: 0,016 mg/l Test duration: 48h Species: Daphnia magna Method: EC50 Test reference: OECD 202
Substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Aquatic toxicity, crustacean	Value: 0,01-0,1 mg/l Test duration: 48 hour(s) Species: Daphnia magna Method: EC50
Substance	Didecyldimethylammoniumchloride
Aquatic toxicity, crustacean	Toxicity type: Acute Value: > 0,01 - 0,1 mg/l Species: Daphnia magna Method: NOEC Test reference: OECD TG 211 Value: > 0,01 - 0,1 mg/l Species: Daphnia magna Method: EC50 Test reference: OECD TG 202
Substance	1,2-Benzisothiazol-3(2H)-one
Aquatic toxicity, crustacean	Value: 2,44 mg/l Test duration: 48h Species: Daphnia magna Method: EC50
Ecotoxicity	Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability description/evaluation

The product is easily biodegradable.

Substance

Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chloride

Biodegradability

Value: > 90 %

Method: OECD 303 A

Substance

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Biodegradability

Value: > 60%

Method: OECD 301D; EØF 92/69, C.4-E.

Test period: 28 day(s)

Substance

Didecyldimethylammoniumchloride

Biodegradability

Value: 72 %

Method: OECD 301B

Test period: 28 day(s)

12.3. Bioaccumulative potential

Bioaccumulation, evaluation

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical

Dispose of waste and residues in accordance with local authority requirements. Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

Appropriate methods of disposal for the contaminated packaging

Dispose unused product and the packaging in accordance with local requirements.

EWC waste code

EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.

Classified as hazardous waste: Yes

EWL packing

EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.

Classified as hazardous waste: Yes

Other information

Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

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The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name**Comments**

Not relevant.

14.3. Transport hazard class(es)**Comments**

Not relevant.

14.4. Packing group**Comments**

Not relevant.

14.5. Environmental hazards**IMDG Marine pollutant**

No

14.6. Special precautions for user**Special safety precautions for user**

No data recorded.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Biocides**

Yes

Legislation and regulations

The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.

EH40/2005, Workplace exposure limits 2005, with amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

COMMISSION DIRECTIVE 2013/10/EU of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products.



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15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

Training advice

No particular training or education is required but the user must be familiar with this SDS.