

Elix® Clean Alcohol-free disinfectant wipes

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

1.1 - Product identifier

Tradename/designation Elix® Clean Alcohol-freedisinfectant wipes 1904 4185

Chemical name

Product-type Mixture

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

Relevant identified uses - Biocidal product

1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH

Wolfener Str. 32-34

D-12681 Berlin Germany

Telephone : +49 (0)30 / 36 46 40 36

gunnar.kleinmann@ecsag.com

1.4 - Emergency telephone number

Verwenden Sie Ihre nationale oder lokale Notrufnummer. (DE) +49(0)30-19240.

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
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2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: didecyldimethylammonium chloride (CAS No.: 7173-51-5) | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS No.: 68424-85-1) | Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (CAS No.: 85409-23-0)

Signal word : None

Pictograms : None

Hazard statements

H412	Harmful to aquatic life with long lasting effects
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Precautionary statements

P102	Keep out of reach of children.
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P273	Avoid release to the environment.
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P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national/international regulation.
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EUH-phrases : None

Regulation (EC) No. 648/2004 (Detergents regulation)

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

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3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
didecyldimethylammonium chloride	CAS No. : 7173-51-5 Index No. : 612-131-00-6 EC No. : 230-525-2	< 1	Acute Tox. 4 Oral - H302 Skin Corr. 1B - H314	M-factor: 10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No. : 68424-85-1 Index No. : EC No. : 270-325-2	< 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1B - H314	M-factor: 10 / 1
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	CAS No. : 85409-23-0 Index No. : EC No. : 287-090-7	< 1	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1B - H314	M-factor: 10 / 1

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- No information available.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

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5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders - No information available.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - No special technical protective measures are necessary.

Advices on general occupational hygiene - Avoid contact with skin, eyes and clothes.
- Wash hands and face before breaks and after work and take a shower if necessary.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Store in a dry place. Store in a closed container.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

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didecyldimethylammonium chloride (7173-51-5)			
Type	Value	User	Effect
DNEL acute inhalative	5.39 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	5.39 mg/m ³	Consumers	Systemic
DNEL acute dermal, short-term	1.55 mg/kg	Consumers	Systemic
DNEL long-term dermal	1.55 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0.002 mg/l		
PNEC aquatic, marine water	0.0002 mg/l		
PNEC sediment, freshwater	2.82 mg/kg		
PNEC sediment, marine water	0.28 mg/kg		
PNEC soil	1.4 mg/kg		
PNEC sewage treatment plant (STP)	0.595 mg/l		
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)			
Type	Value	User	Effect
DNEL acute inhalative	3.96 mg/m ³	Workers	Systemic
DNEL acute inhalative	1.64 mg/m ³	Consumers	Systemic
DNEL long-term dermal	3.4 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	5.7 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0.001 mg/l		
PNEC aquatic, marine water	0.001 mg/l		
PNEC sediment, freshwater	12.27 mg/kg		
PNEC sediment, marine water	13.09 mg/kg		
PNEC soil	7 mg/kg		
PNEC sewage treatment plant (STP)	0.4 mg/l		
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0)			
Type	Value	User	Effect
DNEL long-term inhalative	1 mg/m ³	Consumers	Local
DNEL long-term inhalative	1 mg/m ³	Workers	Local
PNEC aquatic, freshwater	0.000415 mg/l		
PNEC aquatic, marine water	4.2E-05 mg/l		
PNEC sediment, freshwater	6.81 mg/kg		
PNEC sediment, marine water	0.681 mg/kg		
PNEC soil	1.36 mg/kg		
PNEC sewage treatment plant (STP)	0.21 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

- For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

- Wear suitable gloves.

- Suitable material: FKM (fluoro rubber)

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- Suitable material: NBR (Nitrile rubber)

- Suitable material: NR (natural rubber, natural latex)

- Suitable material: PVC (Polyvinyl chloride)

- Suitable material: CR (polychloroprene, chloroprene rubber)

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	light yellow	<u>Odour</u>	characteristic
Odour threshold	No data available		
pH	5.5 < V < 7.5		
Melting point	No data available		
Freezing point	-10 °C		
Boiling point	100 °C		
Flash point	No data available		
Evaporation rate	No data available		
flammability	No data available		
Lower explosion limit	No data available		
Upper explosion limit	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Relative density	No data available		
Density	0.993 kg/l < V < 1.005 kg/l		
Solubility (Water)	very soluble		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		
Solubility (Organic solvents)	No data available		
Log KOC	No data available		
Auto-ignition temperature	No data available		
Decomposition temperature	No data available		
Kinematic viscosity	No data available		
Dynamic viscosity	9 mPa.s		

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	0.15 %
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Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

didecyldimethylammonium chloride (7173-51-5)	
LD50 oral (rat)	238 mg/kg
LD50 dermal (rabbit)	3342 mg/kg
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0)	
LD50 oral (rat)	344 mg/kg
LD50 dermal (rabbit)	2300 mg/kg

Skin corrosion/irritation - Not classified

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Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

didecyldimethylammonium chloride (7173-51-5)

EC50 48 hr crustacea	0.062 mg/l
LC50 96 hr fish	0.19 mg/l
ErC50 algae	0.026 mg/l
ErC50 other aquatic plants	11 mg/l
NOEC chronic fish	0.032 mg/l
NOEC chronic crustacea	0.014 mg/l

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

EC50 48 hr crustacea	0.00415 mg/l < V < 0.016 mg/l
LC50 96 hr fish	0.0322 mg/l < V < 0.515 mg/l
ErC50 algae	0.049 mg/l

Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0)

EC50 48 hr crustacea	> 0.0415 mg/l
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- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- The product contains a substance that is identified as having endocrine disrupting properties.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

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14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0.15 %

- Regulation (EU) No 528/2012 (Biocidal products)

- Reg.-Nr. N-87539

Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	2/8/2023		

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H412	Harmful to aquatic life with long lasting effects
Skin Corr. 1B	Skin corrosion, Category 1B

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