

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

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

Trade name: ELIX Handdisinfection 484.500, 484.025
Item no.: WAS.140
BAuA no.: N-109866 (PT1, PT4)
UFI-Code.: Q1D0-10DW-F00Q-F4U8

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Alcohol-based Hand Disinfectant

Uses advised against

Disinfection of mucous membranes and raw wound

1.3. Details of the supplier of the safety data sheet

Company name and address of manufacturer:

ECS Cleaning Solution
GmbH
Wolfener Strasse 32-34
12681 Berlin
Germany
Tel: +49(0)30 364 64036
www.ecsag.com

Compilation date: 01.03.2023

1.4. Emergency telephone number

Use your national or local emergency number.
(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/GHS):

Flammable liquids, Category 2	H225
Eye irritation, Category 2	H319
Specific target organ toxicity - single exposure, Category 3	H336

2.2. Label elements

Labelling according to regulation (EC) No. 1272/2008 (CLP/GHS):

Hazard components for labelling:

Propan-2-ol; isopropyl alcohol, isopropanol

Hazard pictograms (GHS):



Signal word: Warning.

Hazard statements:

Flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Supplemental Hazard information (EU).

Repeated exposure may cause skin dryness or cracking. (EUH066)

Precautionary statements:

Prevention: Keep away from heat and open flames. No smoking(P210).

Avoid breathing vapours(P261).

Wear protective gloves(P280).

Respond: Get medical advice/attention if you feel unwell(P314).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing(P305+P351+P338).

If eye irritation persists: Get medical advice/attention(P337+P313).

Storage: Store in a closed container(P404)

Disposal: Dispose of contents/container according to local regulations(P501).

Additional information.

Avoid eye contact. The product contains an organic solvent. The product does not contain substances of very high concern (SVHC).

Hazardous components which must be listed on the label: 2-propanol, Isopropanol, Isopropylalcohol

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substance

Mixture.

3.2. Mixture

Substance	CAS / EC-no.	%(w/w)	Classification
Ethanol	64-17-5 / 200-578-6	≤ 1	Flam. Liq. 2;H225 Eye Irrit. 2; H319
Propan-2-ol, Isopropanol	67-63-0/ 200-661-7	≤ 65	Flam. Liq. 2 H225 Eye Dam. 1 H318 Stot SE 3 H336

See full text of H-phrases in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General: In case of discomfort/accident, contact doctor or causality department. Bring label or safety datasheet.

Eye contact: Rinse thoroughly with plenty of water, minimum 15 minutes. Remove contact lenses, if present and easy to do. Seek medical advice.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist or any signs of respiratory distress occurs.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical help if discomfort or irritation occurs.

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

Repeated exposure may cause skin dryness or cracking.

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

If any discomfort arises, treat symptoms and bring safety data sheet when you contact a physician.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable: Alcohol-resistant foam, carbonic acid (CO₂), powder, water mist.

Unsuitable: Full water jet can spread the fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapor.

Hazardous combustion products: Carbon oxides (CO_x).

5.3. Advice for fire-fighters

Avoid inhalation of vapours and fumes. Use self-contained breathing apparatus and chemical protection suit, if personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use gloves during prolonged or repeated contact.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Gather and place in suitable container. Dispose of according to local regulations.

6.4. Reference to other sections

See section 8 for protective equipment and section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always read the label and product information before use. Biocidal products should be handled with caution.

Avoid eye contact. Use protective gloves. See Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperatures 5 -25°C

7.3. Specific end use(s)

Se section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational limits:

Substance	CAS.	Limit value (8 hours)	Country
Ethanol	64-17-5	- / 1900 mg/m ³	Poland.
Propan-2-ol	67-63-0	- / 200 mg/m ³	
Ethanol	64-17-5	500 ppm / 960 mg/m ³	Germany
Propan-2-ol	67-63-0	No data available	

Source: GESTIS International Limit Values.

DNEL:

Substance	Exposure	Value	Population	Effects
Ethanol	Long term Dermal	343 mg/kg bw/day	Workers	Systemic
	Long term inhalation	950 mg/m ³	Workers	Systemic
	Short term	1900 mg/m ³	Workers	Local
Propan-2-ol	Long term Dermal	136 mg/kg bw/day	Workers	Systemic
	Long term inhalation	268 mg/m ³	Workers	Systemic

Source: Registration Dossier - ECHA

PNEC:

Substance	Media	Value	Method
Ethanol	Freshwater	0,96mg/l	Assessment factor
	Marine water	0,79 mg/l	Assessment factor
	Sediment, Fresh water,	3,6 mg/kg dwt	equilibrium partitioning method
		Sediment, Marine water	02,9 mg/kg dwt
	STP	580 mg/l	Assessment factor
	Soil	0,63 mg/kg dwt	Assessment factor
Propan-2ol	Freshwater	10 mg/l	Assessment factor
	Marine water	1 mg/l	Assessment factor
	Sediment, Fresh water	22,8 mg/kg dwt	equilibrium partitioning method
	Sediment, Marine water	2,28 mg/kg dwt	equilibrium partitioning method
	STP	96 mg/l	Assessment factor
	Soil	2,2 mg/kg dwt	equilibrium partitioning method

Source: Registration Dossier - ECHA

8.2. Exposure controls

Use common occupational hygiene.

Eye / Face protection: Avoid contact with eye and eye area during use of wipe.

Hand / skin protection: Safety gloves is recommended, use protective gloves of resilient material.

Respiratory protection: Normally not required. When working in the small non-ventilated spaces use suitable breathing apparatus. Filter type (A).

Environmental exposure controls: Do not flush into sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic and chemical properties

Appearance:	Liquid
Odour:	alcohol
pH:	4 to 8
Melting point/range	< -20 °C.
Boiling point	82 ° C

Flash point	28 ° C.
Auto-flammability:	> 425 ° C.
Evaporation rate:	not available
Vapour pressure:	not available
Oxidising properties	Not oxidising.
Explosive properties	Not classified as an explosive.
Solubility in water	the liquid can be diluted in the napkins.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable at recommended storage temperatures.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ethanol

Type		Species	Result	Method
Acute toxicity	Oral	Rat	> 14.500 mg/kg	OECD 401
	Inhalation	Mouse	> 114 mg/ml	OECD 403
	Dermal	No data available		
Skin corrosion/irritation		Human	Not irritating	Not a guideline study (4h)
Eye damage/ irritation		Rabbit	Irritating	OECD 405
Respiratory or Skin sensitisation		No data available		
Reproductive toxicity		Mouse	no effects observed	OECD 416

Source: Registration Dossier - ECHA

2-propanol

Type		Species	Result	Method
Acute toxicity	Oral	Rat	~8000 mg/kg	OECD 401
	Inhalation	Rat	> 26.76 mg/ml	OECD 403
	Dermal	Rabbit	4032 mg/kg bw	OECD 402
Skin corrosion/irritation		Rabbit	Not irritating	OECD 404
Eye damage/ irritation		Rabbit	Highly irritating	OECD 405
Respiratory or Skin sensitisation		-	Not a sensitizer	OECD 406

Source: Registration Dossier - ECHA

SECTION 12: Ecological information

12.1. Toxicity

Eco-toxicological data for the mixture are not available.

Ethanol

Test	Species	Result	Duration
LC ₅₀	Fish, <i>fathead minnows</i>	14.200 mg/l	96 h
EC ₅₀	Daphnia, <i>Daphnia magna</i>	454 mg/l	249 days
EC ₅₀	Bacteria, <i>Pseudomonas putida</i>	1500 mg/l	96h

Source: Registration Dossier - ECHA

2-propanol

Test	Species	Result	Duration
LC ₅₀	Fish, <i>fathead minnows</i>	4555 mg/ml	96 h
EC50	Daphnia	3644 mg/l	48h

Source: Registration Dossier - ECHA

12.2. Persistence and degradability

Readily biodegradable.

- 12.3. **Bioaccumulative potential**
No bioaccumulative potential.
- 12.4. **Mobility in soil**
No data available.
- 12.5. **Results of PBT and vPvB assessment**
The product contains no identified PBT/vPvB substances.
- 12.6. **Other adverse effects**
None known

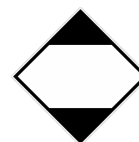
SECTION 13: Disposal considerations

- 13.1. **Waste treatment methods**
Dispose of in accordance with local and national regulation. The penetration of the product into drains, water courses or the soil should be avoided.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1. UN-number	1276	1276	1276	1276
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (ethanol, Iso propanol)	Solids containing flammable liquid, n.o.s. (ethanol, Iso propanol)	Solids containing flammable liquid, n.o.s. (ethanol, Iso propanol)	Solids containing flammable liquid, n.o.s. (ethanol, Iso propanol)
14.3. Transport hazard class	3	3	3	3
14.4. Packaging group	III	III	III	III

Special provisions (SP): 216, 274.
 Classification: F1
 Tunnel restriction code: E 40
 Hazard identification number:



LQ. Limited quantities; 1 kg.

IMDG, EmS: F-A, S-I
 IATA, Packing instructions: 353/364

For further specifications and requirements - see the applicable regulations on ADR /RID/IMDG/ICAO.

- 14.5. **Environmental hazards**

IMDG	Marine pollutant:	No
ADR	Pollutant:	No

- 14.6. **Special precautions for user**
None.

- 14.7. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Remarks: Not applicable for product as supplied.

SECTION 15: Regulatory information

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 Restrictions for application:
 People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
 Sources:
 Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH). Biocidal Products Regulation (EU) No 528/2012 (BPR). Council Directive 93/42/EEC on Medical Devices (MDD) (1993).
- 15.2. **Chemical Safety Assessment**
No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. The information in this safety data sheet applies only the product referred to in section 1 and is not valid when used with other products.

Classification according to regulation (EC) No 1272/2008 Of the European Parliament and Of the Council of 16 December 2008; Article 25 and ANNEX I; classification and labelling requirements for hazardous substances and mixtures.

Flam. Liq. 2, H225: On basis of test data.
Eye Irrit. 2, H319: Bridging principle -Substantially similar mixtures.
STOT SE 3, H336: Calculation method

List of relevant H-phrases (sections 2 and 3).

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Abbreviations used:

ATE Acute toxicity estimate.
STOT Specific Target Organ Toxicity.
OECD Organisation for Economic Co-operation and Development.
ECHA European Chemicals Agency.
REACH Registration, Evaluation, Authorisation and Restriction of Chemical Substances.
DNEL Derived No-Effect Level.
PNEC Predicted No-Effect Concentration.
LC₅₀ Lethal Concentration 50 %
EC50 Effect Concentration 50 %
TGK toxicity threshold concentration.
PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative
EmS Emergency Response Procedures for Ships Carrying Dangerous Goods.
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG International Maritime Code for Dangerous Goods.
IATA International Air Transport Association.
GHS Globally Harmonised System of Classification and Labelling of Chemicals

Key literature references:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH). ECHA registration dossiers.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, through information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for the product used in combination with any other products, materials or in any process, unless specified in the text. It is always the responsibility of the user, to take all necessary steps in order, to fulfil the demand laid down in local rules and legislation. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The company cannot be held liable for any damage resulting from wrongful handling or other, not specified here, contact with the above product.