

Date of issue: 20.02.2020 Replaces Data Sheet of: ---
"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

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

- 1.1 **Product identifier**
Trade Name: AIRDAL® D-MED surface disinfection
Article No.: 109610
Preparation No.: BLI-04641
Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
Identified uses: Surface disinfectants in health care, food and feed sectors and hygiene in the veterinary sector
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
ulti med Products (Deutschland) GmbH, Reeshoop 1, 22926 Ahrensburg, Germany
Telephone: +49 4102 8009-0, Telefax: +49 4102 455240, E-Mail: HKH@ultimed.org / MWENGEL@ultimed.org
- 1.3.2 **Responsible for the data sheet:**
CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
Emergency - Telephone of Company / Undertaking National Poisons Information Service
Telephone: +49 170 3344083 (8:00 – 16:30) Telephone: +44 121 507 4123

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Eye Irrit. 2; H319
- 2.2 **Label elements**
Classification according to 1272/2008/EC: Yes.
Applicable Exemptions: Yes.
Labelling according to 1272/2008 is not necessary as the product is a medical product.
Medical Device class IIa MDD 93/42 EC; CE 0481
Signal word(s): Warning Hazard pictogram(s):
Component(s):
- H - Phrases:**
H319: Causes serious eye irritation.
- P - Phrases:**
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.
- Additional Markings:
- 2.3 **Other hazards**
This mixture contains no substances which are assessed to be PBT or vPvB.
Health injuries are not known or expected under normal use.
Due to the small amount of substance used, it is not to be expected that the product poses a hazard.
The product does not contain any substances which are listed as SVHC substances in Annex XIV of 1907/2006
The product does not contain any substances whose inclusion as SVHC substances in Annex XIV (Article 57 of 1907/2006) is being discussed.



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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Mixture aqueous solution

Dangerous Ingredients:

Material	Index - No.	EC - No.	REACH - No.	m% - range
Sodium etasulfate CAS - No. 126-92-1 Hazard Code(s) / H - phrases n.av. / Skin Irrit. 2; H315 / Eye Dam. 1; H318		204-812-8	01-2119971586-23-xxxx	0.5 - 1.5%
Oils, peppermint CAS - No. 8006-90-4 Hazard Code(s) / H - phrases n.av. / Skin Irrit. 2; H315 / Skin Sens. 1; H317 / Aquatic Chronic 2; H411		310-127-6	n.av.	0.1 - 1%
L-(+)-Lactic acid CAS - No. 79-33-4 Hazard Code(s) / H - phrases n.av. / Skin Irrit. 2; H315 / Eye Dam. 1; H318		201-196-2	01-2119474164-39-xxxx	0,18%
Formic acid CAS - No. 64-18-6 Hazard Code(s) / H - phrases 607-001-00-0 / Skin Corr. 1A; H314		200-579-1	01-2119491174-37-xxxx	0,06

Text of H - phrases: see section 16

m% - range: $x - y \triangleq x \geq - < y$ **SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

4.1.2 Skin Contact:

Wash off with warm water.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**

The product itself does not burn.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides sulphur oxides.

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
- 6.2 **Environmental precautions**
Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
 - 7.1.1 **Precautions for Safe Handling:**
When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday.
Avoid contact with skin and eyes.
 - 7.1.2 **Precautions in Case of Fire and Explosion:**
Normal measures for preventive fire protection. The product itself does not burn.
- 7.2 **Conditions for safe storage, including any incompatibilities**
 - 7.2.1 **Storage Instructions:**
Keep container tightly closed in a dry and well-ventilated place.
Keep at temperatures between 10 and 30°C.
 - 7.2.2 **Store away from:**
Incompatible with oxidizing agents.
 - 7.2.3 **Further Information on Storage Conditions:**
Protect from frost, heat and sunlight.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material	Limit Value
L-(+)-lactic acid	TLV dust: 10 mg/m ³ (respirable fraction); 3 mg/m ³ (alveole passing fraction)
Formic acid	5 ppm 9,5 mg/m ³ , TWA: 5 ppm 9 mg/m ³
- 8.2 **Exposure controls**
 - 8.2.1 **Appropriate engineering controls**
Ensure adequate ventilation.
 - 8.2.2 **Individual protection measures**
 - 8.2.2a **Respiratory Protection:** Not required under normal use.
 - 8.2.2b **Hand Protection:** Repeated or prolonged exposure: Protective gloves complying with EN 374.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
 - 8.2.2c **Eye Protection:** Safety glasses
 - 8.2.2d **Skin Protection:** Long sleeved clothing
 - 8.2.2e **Further Information:** Observe wearing time limits:
 - 8.2.3 **Environmental exposure controls:**
n.av.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: colourless - light green	Odour: aromatic
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	2,6 - 2,8	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	~ 100, Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	n.ap., closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	No.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	~ 1	
9.1.13	Solubility (in Water):	miscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	No information available.
10.2	Chemical stability
	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions
	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid
	No conditions to be specially mentioned.
10.5	Incompatible materials
	Incompatible with strong bases and oxidizing agents.
10.6	Hazardous decomposition products
	No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation: n.av.

Ingestion: n.av.

Skin Contact: n.av.

Skin corrosion / irritation: Slight

Serious eye damage / irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: None.¹⁾

Germ cell mutagenicity: n.av.

Carcinogenicity: n.av.

Reproductive toxicity: n.av.

STOT-single exposure: n.av.

STOT-repeated exposure: n.av.

Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**

We have no quantitative data concerning the ecological effects of this product.

Neutralisation will reduce ecotoxic effects.

12.2 Persistence and degradability

No data is available on the product itself.

Neutralization is normally necessary before waste water is discharged into water treatment plants.

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D 10

Waste - Code - No.:

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

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SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.		
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		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
n.av.
- 15.2 **Chemical safety assessment :**
n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H411: Toxic to aquatic life with long lasting effects.

Literature:

- 1) Dermatologische Prüfung am Menschen, Dermatest® GmbH, 2013

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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