



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

This is the English translation of the German SDS (for Germany).

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: Dermoguard Plus

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

**Use of the mixture:**

Detergent with antibacterial effect for the refurbishment of  
MRSA / VRE-populated skin / For professional use

#### 1.3 Details of the supplier of the safety data sheet

Department providing information: Department of Science and Technology Berlin

E-mail: [sdb@antiseptica.com](mailto:sdb@antiseptica.com)  
Telephone: 00492234 / 98466-27

**Supplier (distributor):**

**Germany**

Antiseptica Dr. Hans-Joachim Molitor  
GmbH  
Carl-Friedrich-Gauß-Str. 7  
D-50259 Pulheim/Brauweiler  
Tel.: +49 2234 - 98466 - 0  
Fax: +49 2234 - 98466 - 11  
[www.antiseptica.com](http://www.antiseptica.com)

#### 1.4 Emergency telephone number

**Germany**

Giftinformationszentrum Nord  
(GIZ-NORD), Universitaet Goettingen  
Tel.: +49 551 - 19240  
Fax: +49 551 - 38318 - 81

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**CLP classification (EG) Nr. 1272/2008:**

Flam. Liq.: Kat.3 H226  
Eye Irrit.: Kat.2 H319  
STOT SE: Kat. 3 H336



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### 2.2 Label elements

**Symbols und signal word:**



**Warning**

**Hazard statements:**

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P305 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if easy  
P351 + to do. Continue rinsing.  
P338  
P337 + If eye irritation persists: Get medical advice.  
P313

**Hazardous ingredient for labelling:**

Propan-1-ol, didecyldimethylammonium chloride und sodium cocoamphoacetate

### 2.3 Other hazards

The ingredients (from 0.1%) do not meet the criteria for classification as PBT or vPvB and no endocrine disrupting properties are known.

## Section 3: Composition/information on ingredients

### 3.1 Substances

This product is a mixture.

### 3.2 Mixtures

**Chemical characterization:**

**Propan-1-ol**

EG-No: 200-746-9 CAS-No: 71-23-8 REACh-Reg.no: 01-2119486761-29

Quantity : 18 - 22 %

Flam. Liq.: 2 H225 Highly flammable liquid and vapour.

Eye Dam.: 1 H318 Causes serious eye damage.

STOT SE: 3 H336 May cause drowsiness or dizziness.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### Sodium Cocoamphoacetate

(Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C7-C17 odd-numbered, C17-unsatd. alkyl) derivs. and sodium hydroxide and chloroacetic acid)

EG-No: 931-291-0 REACH-Reg.no: 01-2119487973-19

Quantity : 10 - 13 %

Eye Dam.: 1 H318 Causes serious eye damage.

### Didecyldimethylammonium chloride

EG-No: 230-525-2 CAS-No: 7173-51-5

Quantity : 1 %

Acute Tox. 3 H301 Toxic if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Aquatic Acute 1 H400 (M=10) Very toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

### Citric acid

CAS-No: 5949-29-1 REACH-Reg.no: --

Quantity : 1 %

Eye Irrit.: 2 H319 Causes serious eye irritation.

### Labelling for contents according to Regulation (EC) Nr. 648/2004

Contains disinfectant, anionic surfactants: 5 - 15 % and perfume

## Section 4: First aid measures

### 4.1 Description of first aid measures

Immediately seek medical advice. Show the Safety Data Sheet, container or label.

#### **Inhalation:**

Supply fresh air.

#### **Eye contact:**

Rinse opened eye for several minutes with plenty of drinking water. If eye irritation persists seek medical advice.

#### **Ingestion:**

Do not induce vomiting. Rinse mouth with drinking water and give plenty of water to drink.

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

Acute: mucous membrane irritation

Delayed: After oral absorption, interference with the central nervous system, e.g. Dizziness and narcotic effects occur. Facial and skin redness by dilation of the blood vessels.

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

No information

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Water spray, carbon dioxide, dry powder, alcohol-resistant foam

### 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gas may develop:

For example: carbon monoxide, carbon dioxide and explosive vapour / air mixtures

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Cool endangered containers or persons with water spray.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### Section 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves and protective clothing. Keep ignition sources away - do not smoke. Ensure adequate ventilation.

#### 6.2 Environmental precautions

Do not allow to reach sewage system / surface or ground water.

#### 6.3 Methods and material for containment and cleaning up

Wipe up with absorbent material (cloth, fleece, sand, universal binders).  
Larger quantities: Apply suction cleaning.

#### 6.4 Reference to other sections

Safe handling (section 7), personal protective equipment (section 8) and disposal considerations (section 13)

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace. Caution near alcohol-sensitive materials (for example: acrylic, paint, pickling, lacquered jewellery or watches of certain plastic).

##### Notes on general hygiene measures at the workplace:

Keep away from food. Take off all contaminated clothing immediately. Avoid contact with eyes.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep cool, but frost-free, well ventilated and dry. Keep out of the reach of children. Store in the original container.

##### Further information about storage conditions

Keep away from heat and direct sunlight.

Keep separate from food.

##### Information about fire and explosion protection

Can form explosive gas-air mixtures. Good ventilation, especially at floor level. Vapours are heavier than air. Keep ignition sources away - do not smoke. Take measures to prevent electrostatic charging.

**Storage class:** 3 (TRGS 510)

#### 7.3 Specific end use(s)

No specific end use known.

### Section 8: Exposure controls/personal protection

#### 8.1 Control parameters

No

#### 8.2 Exposure controls

Keep away from foodstuff, beverages and feed. Avoid contact with eyes.

##### Respiratory protection

Not necessary

##### Skin protection

In order to prevent skin irritations in the professional field, the following is - regardless of the actual contact with disinfectants - recommended:

- Fast skin penetrating care cream in between if needed.
- A greasy cream after washing at the end of work or before work breaks.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### Eye / face protection

Not necessary

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

If no information on the mixture is available, relevant information on ingredients may also be provided in the form "ingredient: indication".

#### Appearance

- Physical state:	Liquid
- Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Ethanol: 19 – 93 mg/m <sup>3</sup> (0.001 - 0.0048 Vol.%)
pH (50 g/l) at 20 °C:	Ca. 5,6
Melting point:	Not determined
Initial boiling point / boiling range:	Not determined
Flash point:	31 °C (DIN 51755)
Evaporation rate:	Not determined
Flammability:	Not determined
Explosion limits in air:	Propan-1-ol 2.4 – 10.8 % (Vol.%)
Vapour pressure:	Propan-1-ol: 28.2 hPa bei 25 °C
Vapour density, relative (air = 1):	Not determined
Density at 20 °C:	Ca. 1.0 g/cm <sup>3</sup>
Solubility in water:	Any
Partition coefficient	
n-octanol / water:	For a mixture not applicable.
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not applicable, no known decomposition
Viscosity:	Not determined
Oxidising properties:	Not determined

### 9.2 Other information

Further physical and chemical data have not been determined.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored and used as described.

### 10.2 Chemical stability

No decomposition if stored and used as described.

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored and used as described.

### 10.4 Conditions to avoid

See section 7

### 10.5 Incompatible materials

No incompatible materials known.

### 10.6 Hazardous decomposition products

No decomposition if stored and used as described.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### Section 11: Toxicological information

#### 11.1 Information on toxicological effects

The active compounds have been extensively studied with regard to the toxic profile. The exposure is safe if handled as prescribed. In consideration of the mixture no deviant results are expected. The mixture was therefore not examined in all categories. For toxicological effects use the information on hazardous substances.

##### 11.1.1 For the mixture:

###### Acute toxicity

LD<sub>50</sub>: Oral rat 4.6 ml/kg/BW

###### Skin corrosion/irritation

OECD No 404 (Draize): non irritant

###### Serious eye damage/irritation

OECD 405 rabbit: „irritant“

###### Other categories

No data available

##### 11.1.2 For the substances:

###### Propan-1-ol

###### Acute toxicity:

LD<sub>50</sub> rat (oral): ~8000 mg/kg

LC<sub>50</sub> rat (inhalativ): > 34 mg/l; 4h; vapor (OECD-guideline 403)

LD<sub>50</sub> rabbit (dermal): 4032 mg/kg (literature)

###### Primary irritant effect:

Skin: No effects

###### Sensitization:

No sensitization (OECD- guideline 406)

###### Didecyldimethylammonium chloride

Sensitization: non-sensitizing in guinea pig - Buehler Test Method: US EPA

###### Genotoxicity in vitro:

Negative - Ames test on Salmonella typhimurium method: OECD 471

Negative - Chromosome aberration test, CHO cells / negative gene mutation, CHO cells

###### Genotoxicity in vivo:

Negative chromosome aberration test oral in rats Method: OECD 475

###### Sodium Cocoamphoacetate

###### Sensitization:

Guinea pig, OECD 406: non-sensitizing

The substance has no mutagenic activity (Ames test)

###### Citric acid

Not relevant

### Section 12: Ecological information

The mixture was not tested for certain effects. Information on the hazardous substance should be used. Citric acid is not relevant.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### 12.1 Toxicity

#### Propan-1-ol

EC<sub>50</sub> / 48 h: 3644 mg/l (Daphnie) (DIN 38412 part 11, static)

LC<sub>50</sub> / 96 h: 4555 mg/l (Pimephales promelas)

EC<sub>50</sub> / 3h: >1000 mg/l (bacteria) (OECD-Richtlinie 209, aquatic)

NOEC / 21 d: > 100 mg/l, Daphnia magna (OECD Richtlinie 211, semistatic)

#### Didecyldimethylammonium chloride

LC<sub>50</sub>: 0.19 mg / l with pimephales promelas, exposure time: 96 h, method: US EPA

NOEC: 0.032 mg / l in Danio rerio, chronic toxicity, exposure time: 34 d with OECD 210

EC<sub>50</sub>: 0.062 mg / l, Daphnia magna, immobilization, exposure time: 48 h, method: EPA-FIFRA

NOEC: 0.016 mg / l, Daphnia magna, reproduction test, 21 d, method: OECD 211

ErC<sub>50</sub>: 0.026 mg / l, pseudokirchneriella subcapitata (green alga), growth inhibition, exposure time: 96 h, method: OECD 201

EC<sub>50</sub>: 11 mg / l, activated sludge, respiratory inhibition, exposure time: 3 h, method: OECD 209

Toxicity to soil organisms:

NOEC: ≥ 1000 mg / kg, Eisenia fetida (earthworms), acute toxicity, Exposure time: 14 d, Method: OECD 207

Toxicity to terrestrial organisms:

EC<sub>50</sub>: 283 - 1670 mg / kg, Exposure time: 14 d, Method: OECD 208

#### Sodium Cocoamphoacetate

OECD 203, species Goldorfe: LC<sub>0</sub> = 20 mg / l; LC<sub>50</sub> = 28 mg / l; LC<sub>100</sub> = 40 mg / l

OECD 202, species Daphnia magna, 24h: EC<sub>50</sub> 18 mg / l

OECD 202, species Daphnia magna, 48h: EC<sub>50</sub> 6.4 mg / l

OECD 201, species Scenedesmus subspicatus, 72h: EbC<sub>50</sub> = 22 mg / l; EbC<sub>10</sub> = 6.75 mg / l

### 12.2 Persistence and degradability

#### Propan-1-ol

Easily biodegradable (OECD)

#### Didecyldimethylammonium chloride

Stability in water: Abiotic degradation, hydrolytically stable, Method: EPA-FIFRA

Modified Storm Test: 72%, Readily biodegradable, Test Duration: 28 days, Method: OECD 301 B

The-away test: 93.3%, trial period: 28 d

OECD confirmatory test: 91%, test duration 24-70 d, method: OECD 303 A

The surfactant complies with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

#### Sodium cocoamphoacetate

Biodegradability: DIN 38412 T.25, 28d: 77% / OECD 301 A, 28d: readily degradable, 73%

Chemical Oxygen Demand (COD), DIN 38409 T.41: 992.000mg / l

### 12.3 Bioaccumulative potential

#### Propan-1-ol

No bioaccumulation is to be expected.

#### Didecyldimethylammonium chloride and Sodium cocoamphoacetate

No data

### 12.4 Mobility in soil

#### Propan-1-ol

The product is mobile in an aqueous environment.

#### Didecyldimethylammonium chloride and Sodium cocoamphoacetate

No data

### 12.5 Results of PBT and vPvB assessment

The mixture does not contain any substances that are assessed as PBT or vPvB.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### 12.6 Endocrine disrupting properties

Endocrine disrupting properties for the environment are not known.

### 12.7 Other adverse effects

The mixture is classified as water hazard class 2 (by German AwSV).

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Treatment of the mixture

Disposal in compliance with local regulations. Waste should not be disposed of via wastewater.

#### Treatment of contaminated packaging

Completely emptied containers can be recycled.

#### Waste code according to AVV

07 06 04 for the product

15 01 02 for the primary packaging

#### Relevant EU or other regulations

German law: KrW-/AbfG (Kreislaufwirtschafts- und Abfallgesetz)

## Section 14: Transport information

14.1 UN-number: 1993

### 14.2 Proper shipping name

All modes of transport:

FLAMMABLE LIQUID, N.O.S. (n-propanol, quaternary ammonium compound)

### 14.3 Transport hazard class(es)

Land: ADR/RID and GGVS/GGVE class: 3

Tunnel restriction code: D/E

Sea: IMDG/GGV Sea-class: 3

EMS-number: F-E, S-E

Air: ICAO-TI / IATA-DGR-class: 3

### 14.4 Packing group

III

### 14.5 Environmental hazards

#### Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No

IMDG-Code: Marine Pollutant: No

### 14.6 Special precautions for user (transport company)

No

### 14.7 Maritime transport in bulk according to IMO instruments

No transport in bulk



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 07.09.2022  
Date of entry into force: 07.09.2022

Version: 2  
Replaces version: 1

## Dermoguard Plus

### Section 15: Regulatory information

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

##### EU-regulations:

1907/2006 REACH / 1272/2008 CLP GHS / 528/2012 Biocidal products / 98/24/EG Risks related to chemical substances / 648/2004 Detergents

##### German regulations:

Chemikaliengesetz ChemG / Gefahrstoffverordnung GefStoffV / TRGS und Bekanntmachungen / Betriebssicherheitsverordnung BetrSichV / Jugendarbeitsschutzgesetz / Mutterschutzgesetz / Guidelines Berufsgenossenschaften

##### Other information:

Biocide: BAuA Reg.-No: N-84693

#### 15.2 Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.

### Section 16: Other information

#### Changes since the publication of the previous version

Version 1: First English version / Version number of the SDS is similar to the German SDS  
Version 2: 3.2 / 2.2 / 11.1.2

#### Literature and data sources

TRGS / Gestis / professional associations / MSDS of ingredients

#### Methods in accordance with Article 9 of Regulation (EC) no. 1272/2008 used to evaluate the information for the purpose of classification.

Classification was based on tests, the components and the physical and chemical properties.

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product with regard to the safety requirements. The information should not be regarded in any way as a description of the nature of the goods (product specification). Any agreed property or the suitability of the product for a specific purpose can not be derived from our information in the Safety Data Sheet. We will advise you whether, the preparation is suitable for a defined purpose. Any proprietary rights and existing laws and regulations must be observed by the recipient of our product (responsibility of the recipient).