

Material Safety Data Sheet



This SDS is an English (EU) version, without any country-specific legislation

Completed 17-11-2020
Revision: (date) 27-11-2025
SDS version 1.6

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

1.1. Product Identifier

Trade Name: Hexagel
Product- no.: ST47900

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

Recommended uses:

For veterinary use. Cleaning gel containing chlorhexidine for animals. Approx. 1-2 ml per application. Used as needed several times a day.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Diafarm A/S
Ferrarivej 12
DK - 7100 Vejle
Tlf.: +45 75 82 80 44
www.diafarm.dk

Contact person and E-mail:

COA@ugmas.dk

The Safety data sheet is completed and validated by:

Diafarm A/S

1.4. Emergency telephone number

Use your national or local emergency number - For "First aid measures" see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Aquatic Chronic 3;H412

See full text of H-phrases in section 16.

2.2. Label elements

-

Signal word:

-

Harmful to aquatic life with long lasting effects. (H412)

Avoid release to the environment. (P273)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

-

Additional labelling:

-

Additional warnings

-

Material Safety Data Sheet

This SDS is an English (EU) version, without any country-specific legislation



SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Chlorhexidine digluconate	- / -	18472-51-0	242-354-0	Eye Dam. 1;H318, Aquatic Acute 1;H400, M=10, Aquatic Chronic 1;H410, M=1	<1	-

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of persistent discomfort.

Skin contact:

Intended for contact with skin.
Seek medical advice in case of persistent discomfort.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

No irritation anticipated when used normally.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

All extinguishing media can be used.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable.

5.3. Advice for firefighters

No special requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special requirements.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Wipe up spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

Material Safety Data Sheet

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging.

The product should be stored safely and out of reach of children.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit value (IOELV), not country-specific legislation:

-

DNEL/PNEC-values:

DNEL Chlorhexidine digluconate

	Workers	Consumers
Inhalation - Chronic Systemic	0.36 mg/m ³	0.09 mg/m ³
Dermal - Chronic Systemic	6 mg/kg bw/day	3 mg/kg bw/day
Oral - Chronic Systemic	-	0.03 mg/kg bw/day
Oral - Acute Systemic	-	2 mg/kg bw/day

PNEC Chlorhexidine digluconate

Fresh water	0.001 mg/L
Intermittent releases (Fresh water)	0.001 mg/L
Soil	5.26 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wash hands after use.

Personal protective equipment:

Respiratory protection:

Not required.

Hand protection:

Not required.

Eye/face protection:

Not required.

Skin protection:

Not required.

Environmental exposure controls:

Not relevant.

Material Safety Data Sheet

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

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

Acute toxicity:

No known hazards.

Substance	exposure	Species	Test	Result
Chlorhexidine digluconate	Oral	Rat	LD50	2000 mg/kg bw
Chlorhexidine digluconate	Dermal	Rabbit	LD50	> 5000 mg/kg bw

Skin corrosion/irritation:

No known hazards.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

No known hazards.

Germ cell mutagenicity:

No known hazards.

Material Safety Data Sheet

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**Carcinogenicity:**

No known hazards.

Reproductive toxicity:

No known hazards.

STOT-single exposure:

No known hazards.

STOT-repeated exposure:

No known hazards.

Aspiration hazard:

No known hazards.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Chlorhexidine digluconate	96 Hours	Fish	LC50	2.08 mg/L
Chlorhexidine digluconate	48 Hours	Daphnia	EC50	0.087 mg/L
Chlorhexidine digluconate	72 Hours	Algae	EC50	0.019 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Chlorhexidine digluconate	No	OECD Guideline 301 B	60 Days 2.2%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Chlorhexidine digluconate	No	-1.81

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
18 02 05	Chemicals consisting of or containing hazardous substances

Specific labelling:

-

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

Material Safety Data Sheet

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SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Additional labelling:

-

Restrictions for application:

-

Demands for specific education:

-

15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH), the SDS must be in an official language of the country where the product is marketed.

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) Nr. 1272/2008:

Aquatic Chronic 3;H412	Calculation method
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Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

General update.

This material safety data sheet replaces version:

1.5