

Trade name: Chlorhexidini diglucon. sol 1%

Substance number: 072780

Version: 4 / CH

Date revised: 24.09.2020

Replaces Version: 3 / CH

Print date: 24.09.20

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

1.1. Product identifier

Chlorhexidini diglucon. sol 1%

Item No. 07278000

Registration no.

EC No.: 242-354-0

CAS No. 18472-51-0

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

Use of the substance/preparation

Active pharmaceutical substance

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements

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P264.1 Wash hands thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 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.
 P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients****D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

CAS No.	18472-51-0			
EINECS no.	242-354-0			
Concentration	>= 1	<	2.5	%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1		H318	
	Aquatic Acute 1		H400	
	Aquatic Chronic 1		H410	

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1	H400	M = 10
Aquatic Chronic 1	H410	M = 1

Further ingredients *****water**

CAS No.	7732-18-5			
EINECS no.	231-791-2			
Concentration		>=	95	%
Advice: [4]				

Note

[4] Voluntary information

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely. Remove affected person from danger area, lay him down. Keep warm, calm and covered up. Do not leave casualty unattended. If the patient is likely to become unconscious, place and transport in stable sideways position. Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. Summon a doctor immediately. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

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After skin contact

Wash skin thoroughly with water (15 min.). Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

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

irritant - risk of serious damage to eyes

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

Non suitable extinguishing media

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Hydrogen chloride (HCl); Carbon monoxide (CO); Carbon dioxide (CO₂); In case of combustion, evolution of health hazardous partially burned gases. Nitrogen oxides (NO_x)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

Other information

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

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under Section 13 "Disposal". Send in suitable containers for recovery or disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special measures necessary if used correctly. Product should be handled only by trained personnel. Wear protective equipment. Do not return rest to the storage containers.

Advice on protection against fire and explosion

The product is not combustible.

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7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 1 - 25 °C

Storage stability

Store at room temperature.

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Keep only in original packaging. Protect from frost.

Storage classes

Storage class according to TRGS 510	12	Non-combustible liquids
Storage category (Switzerland)	10/12	Other liquid hazardous substances

Further information on storage conditions

Protect from light. Protect from sun.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

At work do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Take off immediately all contaminated clothing. Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus; Multi-purpose filter ABEK; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Gloves		
Appropriate Material	nitrile	
Material thickness	0.11	mm
Gloves		
Appropriate Material	Polychloroprene	
Material thickness	0.65	mm

Eye protection

Safety glasses with side protection shield; Safety goggles

Body protection

Protective clothing; Wear disposal (one-way) overall

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid
Colour	colourless to yellow
Odour threshold	
Remarks	Not applicable
pH value	
Value	appr. 6.4
Freezing point	
Remarks	No data available
Initial boiling point and boiling range	
Value	appr. 100 °C
Source	Estimated value

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Flash point

Value	°C
Remarks	Not applicable

Upper/lower flammability or explosive limits

Remarks	Not applicable
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Vapour pressure

Remarks	not determined
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Density

Value	appr. 1.003	g/ml
Remarks	Relative Density according specification	

Solubility in water

Remarks	not determined
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Solubility(ies)

Remarks	not determined
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SECTION 10: Stability and reactivity**10.1. Reactivity**

None known

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Protect from light. Protect from direct sunlight. Protect from frost.

10.5. Incompatible materials

Alkalies, Avoid contact with oxidizing substances. No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks	No data available.
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Acute oral toxicity (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

Remarks	No data available.
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Acute dermal toxicity

Remarks	No data available.
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Acute dermal toxicity (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

Species	rabbit
LD50	> 5000

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Source US EPA Proposed Guideline for Toxicology - Section 162.81-2

Acute inhalational toxicity

Remarks No data available.

Skin corrosion/irritation

Remarks No data available.

Skin corrosion/irritation (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

Species	rabbit
Duration of exposure	4 h
evaluation	slightly irritant
Method	OECD 404

Serious eye damage/irritation

evaluation irritant - risk of serious damage to eyes

Serious eye damage/irritation (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

Species	rabbit
evaluation	irritant - risk of serious damage to eyes
Method	OECD 405
Source	5% Solution

Sensitization

Remarks No data available.

Sensitization (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Mutagenicity

Remarks No data available.

Reproductive toxicity

Remarks No data available.

Carcinogenicity

Remarks No data available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

For this subsection there is no ecotoxicological data available on the product as such.

Fish toxicity

Remarks No data available.

Daphnia toxicity

Remarks No data available.

Algae toxicity

Remarks No data available.

Bacteria toxicity

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Remarks No data available.

12.2. Persistence and degradability**General information**

There is no data available on the product apart from the information given in this subsection.

Physico-chemical eliminability

Remarks No data available.

Biodegradability

Remarks No data available.

Ready degradability

Remarks No data available.

12.3. Bioaccumulative potential**General information**

There is no data available on the product apart from the information given in this subsection.

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment**General information**

There is no data available on the product apart from the information given in this subsection.

Evaluation of persistence and bioaccumulation potential (Components)**D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

low

12.6. Other adverse effects**General information**

Harmful to aquatic life.

General information / ecology

Do not allow it to reach soil, ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	-		
14.1. UN number	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

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

CLP categories listed in Chapter 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1
 Eye Dam. 1 Serious eye damage, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.