

Trade name: Chlorhexidini digluconatis sol 20%

Substance number: 072770

Version: 11 / CH

Date revised: 09.07.2025

Replaces Version: 10 / CH

Print date: 09.07.25

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

### **1.1. Product identifier**

Chlorhexidini digluconatis sol 20%

Item No. 07277000

#### **Registration no.**

EC No.: 242-354-0

CAS No. 18472-51-0

#### **Substance / product identification**

UFI QCK9-272U-9Q18-QKYM

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

#### **Use of the substance/preparation**

Active pharmaceutical substance, Pharmaceutical excipient, Disinfectant

### **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 Dam. 1 H318

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

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**

Danger

##### **Hazard statements \*\*\***

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

**Precautionary statements**

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.  
P310 Immediately call a POISON CENTER or doctor.  
P391 Collect spillage.  
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**

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**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	>= 10	<	25		%
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

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**Further ingredients \*\*\*****water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	50		%
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

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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.

**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**

In the foreground the local effect stays at first, characterized by a quickly in the depth moving damage of the tissue. Irritating to respiratory system. Danger of blindness. Causes very strong irritations of the eyes, skin and mucous membranes. Chemical burn

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

Water spray jet, Foam, Carbon dioxide, Dry powder, Water mist

**Non suitable extinguishing media**

Full water jet

**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 (CO<sub>2</sub>); In case of combustion, evolution of health hazardous partially burned gases. Nitrogen oxides (NO<sub>x</sub>)

**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**

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## 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.

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

### Recommended storage temperature

Value	1	-	25	°C
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### Storage stability

Store at room temperature.

Storage time: 24 months

### 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)	8	Caustic and corrosive 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

Physical state	liquid
Colour	colourless to yellowish
Odour	characteristic
Freezing point	

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Remarks No data available

**Boiling point or initial boiling point and boiling range**

Value appr. 100 °C

Remarks No data available

**Upper and lower explosive limits**

Remarks Not applicable

**Flash point**

Value °C

Remarks Not applicable

**pH value**

Value 5.5 to 7.0

Concentration/H<sub>2</sub>O 50 g/l

Temperature 20 °C

**Solubility(ies)**

Ethanol

Value appr. 21 g/l

Isopropanol

Value appr. 35 g/l

Acetone

Value appr. 44 g/l

**Vapour pressure**

Value 23 hPa

Temperature 20 °C

**Density and/or relative density**Value 1.06 to 1.07 g/cm<sup>3</sup>

Temperature 20 °C

Method 92/69/EEC, A.3

**9.2. Other information****Odour threshold**

Remarks Not applicable

**Solubility in water**

Temperature 20 °C

Method OECD 105

Remarks Completely miscible

**Solvent content**

Value 79 to 81 %

**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**

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

## 10.6. Hazardous decomposition products

Chlorine, Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

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

#### 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.

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

#### Acute inhalative 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.

#### 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 (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 (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

Species Salmonella typhimurium  
evaluation No mutagenicity in the Ames-test.  
Method OECD 471

#### Reproductive toxicity

Species rat  
Remarks No indications of toxic effects were observed in reproduction studies in animals.

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**Carcinogenicity**

Route of exposure	oral
Species	Rats (male/female)
Duration of exposure evaluation	735 d
Remarks	No indications of carcinogenic effects are available from long-term trials. No evidence available on carcinogenicity.
Source	Literature value
Route of exposure	oral
Species	mouse
Duration of exposure	546 d
Remarks	None

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

Species	zebra fish (Brachydanio rerio)
LC50	2.08 mg/l
Duration of exposure	96 h
Method	OECD 203

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

LC50	2.08 mg/l
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**Daphnia toxicity**

Species	Daphnia magna
NOEC	0.1 mg/l
Duration of exposure	21 d
Method	OECD 211
Species	Daphnia magna
EC50	0.174 mg/l
Duration of exposure	21 d
Method	OECD 211
Species	Daphnia magna
NOEC	0.0206 mg/l
Duration of exposure	21 d
Method	OECD 211
Species	Daphnia magna
EC50	0.0358 mg/l
Duration of exposure	21 d
Method	OECD 211
Species	Daphnia magna
EC50	0.087 mg/l
Duration of exposure	48 h
Method	OECD 201

**Algae toxicity**

Species	Desmodesmus subspicatus
EC50	0.081 mg/l

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Duration of exposure 72 h  
Method OECD 201

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

EC50 81 mg/l  
Duration of exposure 72 h

**Bacteria toxicity**

Species activated sludge  
EC50 25 mg/l  
Duration of exposure 3 h  
Method OECD 209

**12.2. Persistence and degradability****Biodegradability**

evaluation not readily degradable

**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow) (Components)****D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)**

log Pow > 3.9

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

BCF 42  
Concentration mg/l

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

There are no data available on the mixture itself.

**Results of PBT and vPvB assessment**

The product contains no PBT substances  
The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****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.

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Disposal in compliance with local and national regulations.

**SECTION 14: Transport information**

	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 WGK 3

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**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.  
H411 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  
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2  
Eye Dam. 1 Serious eye damage, Category 1

**Supplemental information**

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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.