

Trade name: Clioquinolum

Substance number: 062755

Version: 3 / CH

Date revised: 16.11.2020

Replaces Version: 2 / CH

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

### **1.1. Product identifier**

Clioquinolum

Item No. 06275500

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

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

Reagent for analyses

### **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)

Acute Tox. 3 H301

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

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 \*\*\***

H301

Toxic if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H317

May cause an allergic skin reaction.

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**Precautionary statements \*\*\***

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264.1	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501.3	Disposal in compliance with local and national regulations.

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

contains \*\*\* clioquinol

**SECTION 3: Composition/information on ingredients \*\*\*****Molecular weight**

Value	305.50	g/mol
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**Hazardous ingredients \*\*\*****clioquinol**

CAS No.	130-26-7		
EINECS no.	204-984-4		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3		H301
	Skin Irrit. 2		H315
	Skin Sens. 1		H317
	Eye Irrit. 2		H319

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

Summon a doctor immediately. In any case show the physician the Safety Data Sheet.

**After inhalation**

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

**After skin contact**

Wash off with soap and water. Summon a doctor immediately.

**After eye contact**

In case of contact with eyes rinse thoroughly with water.

**After ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

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

Coughing, Shortness of breath, Headache, Nausea, Vomiting, Irritation of mucosa, Death

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

Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

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**5.2. Special hazards arising from the substance or mixture**Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Nitrogen oxides (NO<sub>x</sub>); Hydrogen chloride gas**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

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

Wear protective equipment. Avoid dust formation. Do not inhale vapours. Do not inhale dust. Ensure adequate ventilation. Remove persons to safety.

**6.2. Environmental precautions**

Do not empty into drains.

**6.3. Methods and material for containment and cleaning up**

Avoid raising dust. Take up mechanically and collect in suitable container for disposal.

**6.4. Reference to other sections**

Information regarding waste disposal, see Section 13.

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

Avoid contact with skin and eyes. Avoid dust formation. Avoid formation of aerosols. Provide suitable exhaust ventilation at processing machines.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value 2 - 8 °C

**Requirements for storage rooms and vessels**

Keep in a cool place.

**Storage classes**

Storage class according to TRGS 510	6.1B	Non-combustible substances of acute toxicity, categories 1 and 2 / very toxic hazardous substances
Storage category (Switzerland)	6.1	Toxic substances

**Further information on storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

**8.2. Exposure controls****General protective and hygiene measures**

Avoid contact with skin and eyes. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

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**Respiratory protection**

Self-contained breathing apparatus. Full mask; Particle filter P2

**Hand protection**

Gloves

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

**Eye protection**

Face shield; Safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

Powder

**pH value**

Remarks

No data available

**Melting point**

Value

171

°C

**Initial boiling point and boiling range**

Remarks

No data available

**Flash point**

Value

°C

Remarks

Not applicable

**Solubility in water**

Remarks

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No decomposition if stored and applied as directed.

**10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

**10.5. Incompatible materials**

Strong oxidising agents, strong acids, Incompatible with acid chlorides and acid anhydrides.

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. Halogen hydrocarbons

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

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**Acute oral toxicity**

ATE 69 mg/kg  
 Method calculated value (Regulation (EC) No. 1272/2008)

**Acute oral toxicity (Components)****clioquinol**

Species mouse  
 LD50 69 mg/kg

**Skin corrosion/irritation**

evaluation irritant

**Serious eye damage/irritation**

evaluation irritant - risk of serious damage to eyes

**Sensitization**

evaluation May cause allergic skin reactions.

**Mutagenicity**

Remarks No data available.

**Reproductive toxicity**

Route of exposure oral  
 Species rat  
 Remarks Possible risk of congenital malformation in the fetus.

**Carcinogenicity**

Remarks No evidence available on carcinogenicity.  
 Source IARC

**Experience in practice**

nausea. vomiting. headache. Irritates the mucous membrane.

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

Remarks No data available.

**Daphnia toxicity**

Remarks No data available.

**12.2. Persistence and degradability****General information**

No data available

**Biodegradability**

Remarks No data available.

**12.3. Bioaccumulative potential****General information**

No data available

**12.4. Mobility in soil****General information**

No data available

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

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No data available

**12.6. Other adverse effects****General information**

No data available

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

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information \*\*\***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
<b>14.1. UN number</b>	2811	2811	2811
<b>14.2. UN proper shipping name</b>	TOXIC SOLID, ORGANIC, N.O.S. (clioquinol)	TOXIC SOLID, ORGANIC, N.O.S. (clioquinol)	TOXIC SOLID, ORGANIC, N.O.S. (clioquinol)
<b>14.3. Transport hazard class(es)</b>	6.1	6.1	6.1
Label			
<b>14.4. Packing group</b>	II	II	II
Limited Quantity	500 g		
Transport category	2		

**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

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H301	Toxic if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

**CLP categories listed in Chapter 3**

Acute Tox. 3	Acute toxicity, Category 3
Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, 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.