

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

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

1.1. Product identifier

Chlorocresolum

Item No. 06270000

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

Use of the substance/preparation

Manufacture of pharmaceutical products, 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)

Acute Tox. 4 H302

Eye Dam. 1 H318

Skin Sens. 1 H317

Aquatic Acute 1 H400

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

H302

Harmful if swallowed.

H318

Causes serious eye damage.

H317

May cause an allergic skin reaction.

H400

Very toxic to aquatic life.

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P501.3	Disposal in compliance with local and national regulations.

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

contains chlorocresol

SECTION 3: Composition/information on ingredients**Hazardous ingredients****chlorocresol**

CAS No.	59-50-7		
EINECS no.	200-431-6		
Concentration	>= 91		%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4	H302	
	Eye Dam. 1	H318	
	Skin Sens. 1	H317	
	Aquatic Acute 1	H400	
	Acute Tox. 4	H312	Route of exposure: dermal

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

Aquatic Acute 1 M = 1

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

Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

After inhalation

Ensure supply of fresh air. Summon a doctor immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well.

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. Induce vomiting, seek medical advice. Call in a physician immediately and show him the Safety Data Sheet.

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

Water, Carbon dioxide, Foam, Dry powder, Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

In the event of fire the following can be released: Hydrogen chloride (HCl)

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. Keep away unprotected persons. Ensure adequate ventilation.

6.2. Environmental precautions

In case the product spills into sewage waters, immediately inform the authorities. Knock down dust with water spray jet. Do not discharge into the drains/surface waters/groundwater. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special requirements.

Hints on storage assembly

Not required.

Storage classes

Storage category (Switzerland)	8	Caustic and corrosive substances
Storage class according to TRGS 510	13	Non- combustible solids

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Protect from light. Keep under lock and key or accessible only to specialists or people who are authorized.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Use barrier skin cream. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Avoid contact with eyes.

Respiratory protection

Use breathing apparatus in dust/fumes/mist-laden atmosphere. Particle filter P2

Hand protection

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

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.

Use	Permanent hand contact
Reference substance	chlorocresol
Appropriate Material	Polychloroprene
Breakthrough time	< 60 min
Appropriate Material	PVC
Breakthrough time	< 60 min

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

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

Form	solid		
Colour	white		
Odour	phenol-like		
pH value			
Value	5.8		
Concentration/H ₂ O	0.4	%	
Melting point			
Value	64.2		°C
Method	OECD 102		
Initial boiling point and boiling range			
Value	242		°C
Pressure	1013	hPa	
Method	OECD 103		
Flash point			
Value	118		°C
Method	closed cup		
Flammability (solid, gas)	not determined		
Vapour pressure			
Value	0.0775		Pa
Temperature	20	°C	
Method	OECD 104		
Value	0.144		Pa
Temperature	25	°C	
Method	OECD 104		
Value	3.8		Pa
Temperature	50	°C	
Method	OECD 104		
Density			
Value	1.335		kg/l
Temperature	20	°C	
Method	Regulation (EC) No. 440/2008, Annex, A.3		
Solubility in water			
Value	3.6		g/l

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

Method Regulation (EC) No. 440/2008, Annex, A.6

Ignition temperature

Value > 420 °C

Auto-ignition temperature

Remarks Not applicable

Decomposition temperature

Value >= 95 °C

9.2. Other information**Bulk density**Value 570 to 670 kg/m³

Temperature 20 °C

Other information

The product is not dangerous for explosions.

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. The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Strong oxidising agents, Incompatible with acid chlorides and acid anhydrides. Incompatible with alkaline substances. Corrodes copper and brass.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Hydrogen chloride (HCl)

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**ATE 1'830 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****chlorocresol**Species rat
LD50 1830 mg/kg
Method OECD 401
Remarks Ingestion causes burns of the upper digestive and respiratory tracts.**Acute dermal toxicity (Components)****chlorocresol**Species rat
LD50 > 2000 mg/kg

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

Method OECD 402

Acute inhalative toxicity (Components)**chlorocresol**

Species	rat	
LC50	> 2.871	mg/l
Method	OECD 403	

Serious eye damage/irritation (Components)**chlorocresol**

Species	rabbit
Remarks	Risk of serious damage to eyes.

Sensitization (Components)**chlorocresol**

Species evaluation	guinea pig sensitizing
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chlorocresol

evaluation	May cause allergic skin reactions.
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Subacute, subchronic, chronic toxicity (Components)**chlorocresol**

Route of exposure	oral
Species	rat (male)
NOEL	103 mg/kg

chlorocresol

Route of exposure	oral
Species	rat (female)
NOEL	134 mg/kg

chlorocresol

Route of exposure	oral
Species	rat (male)
NOAEL	120 mg/kg
Repeated exposure	
Duration of exposure	90 d
Method	OECD 408
Remarks	subchronic toxicity

chlorocresol

Route of exposure	dermal
Species	Rats (male/female)
NOAEL	500 mg/kg
Repeated exposure	
Duration of exposure	90 d
Method	OECD 411
Remarks	subchronic toxicity

Specific Target Organ Toxicity (STOT) (Components)**chlorocresol**

evaluation	May cause respiratory irritation.
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SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****chlorocresol**

Species	rainbow trout (Oncorhynchus mykiss)
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Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

LC50 0.92 mg/l
Duration of exposure 96 h

chlorocresol

Species rainbow trout (Oncorhynchus mykiss)
NOEC 0.15 mg/l
Duration of exposure 28 d
Method OECD 215

Daphnia toxicity (Components)

chlorocresol

Species Daphnia magna
LC50 3.9 mg/l
Duration of exposure 48 h

chlorocresol

Species Daphnia magna
NOEC 0.32 mg/l
Duration of exposure 21 d
Method OECD 211

chlorocresol

Species Daphnia magna
EC50 2.29 mg/l
Duration of exposure 48 h

Algae toxicity (Components)

chlorocresol

Species Scenedesmus subspicatus
EC50 30.62 mg/l
Duration of exposure 72 h
Source LS-662-00 exK001392 SDS 20141024

chlorocresol

Species Desmodesmus subspicatus
NOEC 9.8 mg/l
Duration of exposure 72 h
Method OECD 201

Bacteria toxicity (Components)

chlorocresol

Species activated sludge
EC50 60 mg/l
Method OECD 209

chlorocresol

Species activated sludge
EC50 41.4 mg/l
Duration of exposure 3 h
Method OECD 209

12.2. Persistence and degradability

Biodegradability

Value > 90 %
Duration of test 28 d
evaluation Readily biodegradable

Biodegradability (Components)

chlorocresol

Value 90 %
Duration of test 28 d

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

evaluation	good degradability
Method	OECD 301C

chlorocresol

Value	85	%
Duration of test	28	d
evaluation	Readily biodegradable	
Method	OECD 301D	

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****chlorocresol**

log Pow	2.73	
Temperature	25	°C
Method	OECD 107	

Bioconcentration factor (BCF) (Components)**chlorocresol**

BCF	13
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12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****chlorocresol**

The product contains no PBT or vPvB substances.

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

Product is hazardous to water. Do not allow it to reach ground water, water bodies or sewage system.
Very toxic for aquatic organisms.

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

EWC waste code No not dispose with rubbish.
In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

Trade name: Chlorocresolum







Substance number: 062700

Version: 8 / CH

Date revised: 24.11.2022

Replaces Version: 7 / CH

Print date: 24.11.22

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	-		
14.1. UN number	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (chlorocresol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (chlorocresol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (chlorocresol)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

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 2

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4
Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
Eye Dam. 1 Serious eye damage, Category 1

Trade name: Chlorocresolum

Substance number: 062700

Version: 8 / CH

Replaces Version: 7 / CH

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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.