

Trade name: Chlorocresolum

Substance number: 062700

Version: 9 / CH

Date revised: 28.01.2025

Replaces Version: 8 / CH

Print date: 28.01.25

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Chlorocresolum

Item No. 06270000

Substance / product identification

UFI NCY4-C0Q8-J00N-E04Q

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/preparation**

Manufacture of pharmaceutical products, industry

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

Skin Corr. 1C H314

Eye Dam. 1 H318

Skin Sens. 1 H317

STOT SE 3 H335

Aquatic Acute 1 H400

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**

Danger

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Hazard statements ***

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

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

contains chlorocresol

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

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	
	Skin Corr. 1C	H314	
	Eye Dam. 1	H318	
	Skin Sens. 1	H317	
	STOT SE 3	H335	
	Aquatic Acute 1	H400	
	Aquatic Chronic 3	H412	

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

	Aquatic Acute 1	M = 1	
ATE	oral	1'830	mg/kg

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.

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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

Do not induce vomiting. If individual is drowsy or unconscious place in recovery position (on left side, with head down). Never give anything by mouth to an unconscious person. Call in a physician immediately and show him the Safety Data Sheet.

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

Water spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

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 (CO₂)

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

Use self-contained breathing apparatus.

Other information

Do not discharge into surface waters/groundwater. 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. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.

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. Avoid dust formation. Do not inhale dust. Avoid contact with skin, eyes and clothing. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in application area. Provide good ventilation of working area (local exhaust ventilation if necessary). Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this mixture is used.

Advice on protection against fire and explosion

Avoid dust formation. Dust can form an explosive mixture with air.

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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	8B	Non-combustible corrosive hazardous substances

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

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

chlorocresol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	5.86	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1.04	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2.5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0.6	mg/kg/d

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Predicted No Effect Concentration (PNEC)**chlorocresol**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.015	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.002	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0.009	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0.347	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.035	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	0.57	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	1	mg/kg

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

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.

Appropriate Material	Polychloroprene	
Breakthrough time	< 60	min
Appropriate Material	PVC	
Breakthrough time	< 60	min

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid		
Colour	white		
Odour	characteristic		
Physical state	Pellets		
Melting point			
Value	64.2		°C
Method	OECD 102		
Boiling point or initial boiling point and boiling range			
Value	242		°C
Pressure	1013	hPa	
Method	OECD 103		
Flammability	not determined		
Flash point			
Value			°C
Remarks	Not applicable		
Ignition temperature			
Value	>	420	°C
Decomposition temperature			
Value	>=	95	°C
pH value			
Value	appr.	6	
Concentration/H ₂ O	1	%	
Temperature	30	°C	
Partition coefficient n-octanol/water (log value)			
log Pow	2.73		
Temperature	25	°C	
Method	OECD 107		
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 and/or relative density			
Value	1.335		kg/l
Temperature	20	°C	
Method	Regulation (EC) No. 440/2008, Annex, A.3		

9.2. Other information

Solubility in water			
Value	3.6		g/l
Method	Regulation (EC) No. 440/2008, Annex, A.6		

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Auto-ignition temperature

Remarks Not applicable

Bulk density

Value	570	to	670	kg/m ³
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

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

Avoid dust formation. 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.

10.5. 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 hazard classes as defined in Regulation (EC) No 1272/2008****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
Method	OECD 402	

Acute inhalative toxicity (Components)**chlorocresol**

Species	rat	
LC50	> 2.871	mg/l
Method	OECD 403	

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

Species rabbit
 Method OECD 405
 Remarks Risk of serious damage to eyes.

Sensitization (Components)**chlorocresol**

Species guinea pig
 Method OECD 406
 Remarks May cause allergic skin reactions.

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

Mutagenicity (Components)**chlorocresol**

evaluation No experimental information on genotoxicity in vitro available.
 Method OECD 471

chlorocresol

Species mammal, species unspecified
 evaluation No experimental information on genotoxicity in vitro available.
 Method OECD 476

chlorocresol

Route of exposure intraperitoneal
 Species mouse
 evaluation No experimental indications on genotoxicity in vivo found.
 Method OECD 474

Reproduction toxicity (Components)**chlorocresol**

evaluation Based on available data, the classification criteria are not met.

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Carcinogenicity (Components)**chlorocresol**

evaluation

Based on available data, the classification criteria are not met.

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

evaluation

May cause respiratory irritation.

chlorocresol**Repeated exposure**

Remarks

Based on available data, the classification criteria are not met.

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

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****chlorocresol**

Species

rainbow trout (*Oncorhynchus mykiss*)

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

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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	
evaluation	good degradability		
Method	OECD 301C		

chlorocresol

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

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	2.73		
Temperature	25	°C	
Method	OECD 107		

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**Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.

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This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. 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 ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	E		
14.1. UN number	3261	3261	3261
14.2. UN proper shipping name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
14.3. Transport hazard class(es)	8	8	8
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

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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 2

(Germany)

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.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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.