

Trade name: Cresoli solut saponata

Substance number: 211400

Version: 3 / CH

Date revised: 28.12.2016

Replaces Version: 2 / CH

Print date: 28.12.16

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

1.1. Product identifier

Cresoli solut saponata

Item No. 21140000

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

Use of the substance/preparation

Medicinal product, Disinfectant

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

Acute Tox. 3 H311

Skin Corr. 1B H314

Muta. 2 H341

Aquatic Chronic 3 H412

Eye Dam. 1 H318

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 ***

H314 Causes severe skin burns and eye damage.

H341 Suspected of causing genetic defects.

H412 Harmful to aquatic life with long lasting effects.

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H301+H311 Toxic if swallowed or in contact with skin

Precautionary statements ***

P201 Obtain special instructions before use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 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 Cresol;Phenol;Xylenol

SECTION 3: Composition/information on ingredients *****Chemical characterization**

substances

Hazardous ingredients (Regulation (EC) No. 1272/2008) *****Cresol**

CAS No. 1319-77-3
 EINECS no. 215-293-2
 Registration no. 01-2119565142-45-0000
 Concentration \geq 50 < 72 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 3 H311
 Acute Tox. 3 H301
 Skin Corr. 1B H314

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C
 DSD Directive 67/548/EEC, Annex I, Note C

Xylenol

CAS No. 1300-71-6
 EINECS no. 215-089-3
 Registration no. 01-2120114882-59-0000
 Concentration \geq 10 < 15 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 3 H311
 Acute Tox. 3 H301
 Skin Corr. 1B H314
 Aquatic Chronic 2 H411

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C
 DSD Directive 67/548/EEC, Annex I, Note C

Phenol

CAS No. 108-95-2
 EINECS no. 203-632-7
 Registration no. 01-2119471329-32-0013
 Concentration \geq 3 < 5 %
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 3 H301
 STOT RE 2 H373
 Skin Corr. 1B H314

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Muta. 2	H341
Acute Tox. 3	H331
Acute Tox. 3	H311

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

Eye Irrit. 2	H319	>= 1 < 3
Skin Irrit. 2	H315	>= 1 < 3
Skin Corr. 1B	H314	>= 3

Further ingredients *****water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration	>= 1	<	10	%	
Advice: [4]					

Advice:

[4] Voluntary information

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

Adhere to personal protective measures when giving first aid. Remove affected person from danger area, lay him down. Take off contaminated clothing and shoes immediately.

After inhalation

Remove the casualty into fresh air and keep him calm. If the patient is likely to become unconscious, place and transport in stable sideways position. Take medical treatment.

After skin contact

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Wash off immediately with soap and water and rinse well. Take medical treatment.

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. Do not induce vomiting. Summon a doctor immediately.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions).

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with alcohol-resistant foam.

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: Carbon monoxide (CO)

5.3. Advice for firefighters

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Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Other information

Cool endangered containers with water spray jet.

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

Retain and dispose of contaminated wash water. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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

Provide good ventilation of working area (local exhaust ventilation if necessary). If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Advice on protection against fire and explosion

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in the original container. Keep container tightly closed in a well-ventilated place.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Cresol**

List	SUVA			
Type	MAK			
Value	22	mg/m ³	5	ppm(V)
Short term exposure limit	22	mg/m ³	5	ppm(V)
Skin resorption / sensibilisation: H; Status: 2014				

Phenol

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List	SUVA			
Type	MAK			
Value	19	mg/m ³	5	ppm(V)
Short term exposure limit	19	mg/m ³	5	ppm(V)
Skin resorption / sensibilisation: H; Status: 2014; Remarks: B				

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. 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. Store work clothing separately. Avoid contact with skin and eyes.

Respiratory protection

Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus. Gas filter A. Multi-purpose filter ABEK

Hand protection

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.

Gloves

Appropriate Material nitrile rubber - NBR
Material thickness \geq 0.425 mm
Breakthrough time $>$ 60 min

Gloves

Appropriate Material Butyl rubber - Butyl
Material thickness \geq 0.7 mm
Breakthrough time $>$ 480 min

Eye protection

Tightly fitting safety glasses; Safety goggles

Body protection

Protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form viscous liquid
Colour yellowish to brownish, clear
Odour phenolic
pH value
Value appr. 9 to 10

Melting point

Remarks not determined

Initial boiling point and boiling range

Remarks Not applicable

Flash point

Value $>$ 80 °C
Source Estimated value

Flammability (solid, gas)

Not self inflammable

Upper/lower flammability or explosive limits

Remarks not determined

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Vapour pressure

Value	>	0.05	to	0.3	mbar
Source		Estimated value			

Density

Remarks	not determined
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Solubility in water

Remarks	not determined
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Ignition temperature

Remarks	not determined
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9.2. Other information**Other information**

The physical data information is analogous to the contents of the product.

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 hazardous reactions known.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Compounds of iron (III), Acids, Formation of explosive gas/air mixtures.

10.6. Hazardous decomposition products

None

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

ATE	216.596	mg/kg
	3	

Method	calculated value (Regulation (EC) No. 1272/2008)
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Acute oral toxicity (Components)**Cresol**

Species	rat (male)	
LD50	121	mg/kg
Source	o-cresol	

Phenol

Species	rat	
LD50	317	mg/kg
Remarks	Ingestion causes burns of the upper digestive and respiratory tracts.	
Source	RTECS	

Phenol

Species	Human
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LDLo	140	mg/kg
Source	RTECS	

Xylenol

Species	rat	
LD50	980	mg/kg
Method	OECD 425	

Acute dermal toxicity

ATE	464.354	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity (Components)**Cresol**

Species	rabbit	
LD50	301	mg/kg
Source	p-cresol	

Phenol

Species	rat	
	660	mg/g
Method	OECD 402	
Remarks	Danger of resorption through the skin.	

Acute inhalational toxicity

ATE	10.001	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalative toxicity (Components)**Cresol**

Species	rat	
LC0	0.71	mg/l
Duration of exposure	1	h
Source	p-cresol	

Phenol

Species	rat	
	0.316	mg/l
Duration of exposure	4	h
Method	OECD 403	
Remarks	Harmful by inhalation.	
Source	RTECS	

Skin corrosion/irritation

Remarks	Corrosive action on the skin and mucous membrane.
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Serious eye damage/irritation

Remarks	strongly corrosive
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Sensitization (Components)**Phenol**

Species	guinea pig
Remarks	negative on animals
Source	IUCLID

Mutagenicity (Components)**Cresol**

Species	hamster
evaluation	Information on genotoxicity in vitro available.
Method	OECD 473
Source	CHE, CHO

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Cresol

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

Phenol

Species evaluation mammal, species unspecified
 Method Information on genotoxicity in vitro available.
 OECD 473

Xylenol

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

Carcinogenicity (Components)**Cresol**

Species rat
 Dose appr. 720 mg/kg
 Duration of exposure 730 d
 evaluation Indications of possible carcinogenic effects in animal studies are available.
 Method OECD TG 451
 Source m,p-cresol-mix, 60:40

Experience in practice

After Swallowing: burns in mouth, throat, oesophagus and gastrointetinal tract. Risk of perforation in the oesophagus and stomach.

Other information

The toxicological information is based on the main components.
 By appropriate use of the product no health damage is known.

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

Species rainbow trout (*Oncorhynchus mykiss*)
 LC50 5 mg/l
 Source Ecotox Database

Phenol

Species guppy (*Poecilia reticulata*)
 NOEC 4 mg/l
 Duration of exposure 14 d
 Method OECD 204

Xylenol

Species Fathead minnow (*Pimephales promelas*)
 LC50 10.4 mg/l
 Duration of exposure 96 h

Daphnia toxicity (Components)**Cresol**

Species Daphnia magna
 7.7 mg/l
 Method DIN 38412
 Source p-cresol

Phenol

Species Daphnia
 EC5 33 mg/l

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Duration of exposure 72 h
Source IUCLID

Phenol

Species Ceriodaphnia spec
EC50 3.1 mg/l
Duration of exposure 48 h
Source US-EPA

Phenol

Species Daphnia magna
EC10 0.46 mg/l
Duration of exposure 16 d
Source ECHA

Xylenol

Species Daphnia
EC50 7.7 mg/l
Method OECD 202

Algae toxicity (Components)**Phenol**

Species Scenedesmus quadricauda
7.5 mg/l
Duration of exposure 8 d
Source IUCLID
Source LS-3064 SDB Merck 20140714

Phenol

Species Pseudokirchneriella subcapitata
EC50 61.1 mg/l
Source LS-3064 SDB Merck 20140714

Bacteria toxicity (Components)**Cresol**

Species activated sludge
IC50 440 mg/l
Duration of exposure 2 h
Source p-cresol

Phenol

Species Pseudomonas putida
EC5 64 mg/l
Duration of exposure 16 h
Source IUCLID

Phenol

Species activated sludge
766 mg/l
Duration of exposure 3 h
Method OECD 209
Source LS-3064 SDB Merck 20140714

12.2. Persistence and degradability**Biodegradability (Components)****Phenol**

Value 100 %
Duration of test 6 d
evaluation good degradability
Method OECD 302B/ISO 9888/EEC 88/302,C
Remarks Grade of elimination: > 70%

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Phenol

Value	85	%
Duration of test evaluation	14 d	
Method	Readily biodegradable OECD 301C	

Phenol

Value	62	%
Duration of test evaluation	100 h	
Method	Readily biodegradable OECD 301C	

Chemical oxygen demand (COD) (Components)**Phenol**

Value	2300	mg/g
Source	IUCLID	

Biochemical oxygen demand (BOD5) (Components)**Phenol**

Value	1680	mg/g
Duration of test	5 d	
Source	IUCLID	

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

log Pow	1.47	
Temperature	30	°C
Source	ECHA	

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

Do not allow it to reach ground water, water bodies or sewage system. Hazard for drinking water supplies. Product is hazardous to water.

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.

SECTION 14: Transport information *****Land transport ADR/RID *******14.1. UN number**

UN 2076

14.2. UN proper shipping name

CRESOLS, LIQUID (Cresol)

14.3. Transport hazard class(es)

Class	6.1	
Label	6.1	8

14.4. Packing group

Packing group	II
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Limited Quantity	100 ml
Transport category	2
Tunnel restriction code	D/E

Marine transport IMDG/GGVSee *****14.1. UN number**

UN 2076

14.2. UN proper shipping name

CRESOLS, LIQUID (Cresol)

14.3. Transport hazard class(es)

Class	6.1
Subsidiary risk	8

14.4. Packing group

Packing group II

Air transport ICAO/IATA *****14.1. UN number**

UN 2076

14.2. UN proper shipping name

CRESOLS, LIQUID (Cresol)

14.3. Transport hazard class(es)

Class	6.1
Subsidiary risk	8

14.4. Packing group

Packing group II

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
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Remarks Classification according to Annex 4 VwVwS

Other regulations, restrictions and prohibition regulations

to observe: TRGS 514 "Storage of highly poisonous and poisonous substances in packagings and transportable containers".

BG Data Sheet M 018 "Phenols, Cresols and Xylenols"

15.2. Chemical safety assessment

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

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure:
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2

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Muta. 2
Skin Corr. 1B
STOT RE 2

Germ cell mutagenicity, Category 2
Skin corrosion, Category 1B
Specific target organ toxicity - repeated exposure, Category 2

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.