

Trade name: Phenolum

Substance number: 067160

Version: 5 / CH

Date revised: 13.01.2025

Replaces Version: 4 / CH

Print date: 13.01.25

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

1.1. Product identifier

Phenolum

Item No. 06716000

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

Use of the substance/preparation

food industry, Manufacture of pharmaceutical products, 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

Acute Tox. 3 H311

Acute Tox. 3 H331

Skin Corr. 1B H314

Eye Dam. 1 H318

Muta. 2 H341

STOT RE 2 H373

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.

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H373 May cause damage to organs through prolonged or repeated exposure.
 EUH071 Corrosive to the respiratory tract.
 H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

Precautionary statements

P201 Obtain special instructions before use.
 P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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.
 P405 Store locked up.
 P501.3 Disposal in compliance with local and national regulations.

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 *****Molecular weight**

Value	94.11	g/mol
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Hazardous ingredients ***

CAS No.	108-95-2	
EINECS no.	203-632-7	
Registration no.	01-2119471329-32-XXXX	
Concentration	>= 100	%
Classification (Regulation (EC) No. 1272/2008)		
Acute Tox. 3	H301	
Acute Tox. 3	H311	
Skin Corr. 1B	H314	
Acute Tox. 3	H331	
Muta. 2	H341	
STOT RE 2	H373	

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

H314	>= 3 %
H315	>= 1 < 3 %
H319	>= 1 < 3 %

ATE	oral	100.1	mg/kg
ATE	dermal	660	mg/kg
ATE	inhalative, Dust/Mist	0.51	mg/l

Other information

Complete text of R-phrases in Chapter 16

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

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area. Summon a doctor immediately.

After inhalation

Ensure supply of fresh air. Breathing with the help of a ventilator bag or ventilator. Summon a doctor immediately. Remove affected person from danger area.

After skin contact

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely. Summon a doctor immediately.

After eye contact

In case of contact with eyes rinse thoroughly with water. Summon a doctor immediately.

After ingestion

Do not induce vomiting. Summon a doctor immediately.

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

Cardiovascular disturbance, Central nervous system disorders, Blood count changes

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

Extinguishing measures to suit surroundings, No extinguishing agent restrictions

5.2. Special hazards arising from the substance or mixture

The product is combustible. Vapours heavier than air. In case of combustion evolution of dangerous gases possible.

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

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

Do not discharge into surface waters/groundwater.

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

Do not inhale vapours. Don't touch. Ensure adequate ventilation. Keep away unprotected persons. Wear protective equipment

6.2. Environmental precautions

Advise water authority if spillage has entered water course or drainage system. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

To pick up dry. Clean up affected area.

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). Avoid contact with skin, eyes and clothing.

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7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	15	-	25	°C
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Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Protect from exposure to light.

Storage classes

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

Further information on storage conditions

Protect from light.

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Take off immediately all contaminated clothing. Wash hands before breaks and after work. Store work clothing separately. Avoid contact with skin and eyes. Work only in fume cupboards.

Respiratory protection

Filter apparatus, filter A/P3; Breathing apparatus in the event of aerosol. Dust mask

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	viton
Material thickness	70 mm
Breakthrough time	> 480 min
Appropriate Material	nitrile rubber - NBR

Hand protection must comply with EN 374.

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

Physical state	crystalline
Colour	white
Odour	characteristic

Melting point

Value	40.8	°C
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Boiling point or initial boiling point and boiling range

Value	181.8	°C
Pressure	1.013	hPa

Flammability

Not ignitable

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Upper and lower explosive limits

Lower explosion limit	1.3	%(V)
Upper explosion limit	9.5	%(V)

Flash point

Value	81	°C
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Ignition temperature ***

Value	715	°C
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Decomposition temperature

Remarks	not determined
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pH value

Value	appr. 5	
Concentration/H ₂ O	50	g/l
Temperature	20	°C

Viscosity

Remarks	Not applicable
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Solubility(ies)

Remarks	No data available
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Vapour pressure

Value	0.3		hPa
Temperature	20	°C	

Density and/or relative density

Value	1.0576		g/cm ³
Temperature	20	°C	

9.2. Other information**Solubility in water**

Value	84		g/l
Temperature	20	°C	

Oxidising properties

Remarks	No data available
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Formation of explosive gas/air mixtures. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Exothermic reaction with: Aluminium, Halogens, hydrogen peroxide (H₂O₂), Compounds of iron (III), Oxidising agents, strong acids, Strong bases, formaldehyde, Risk of explosion with: Nitrites, nitrates, peroxides, Avoid contact with: Metals, PVC

10.6. Hazardous decomposition products

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Phenol

Other information

light-sensitive. hygroscopic

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	100.1	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Method	100.1	mg/kg
	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity

ATE	660	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity (Components)

Species	rat (female)	
LD50	660	mg/kg
Method	OECD 402	

Acute inhalational toxicity

ATE	0.51	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalative toxicity (Components)

Duration of exposure	0.51	mg/l
	4	h
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Skin corrosion/irritation

Species	rabbit
evaluation	corrosive

Skin corrosion/irritation (Components)

evaluation	corrosive
Method	OECD 431

Serious eye damage/irritation (Components)

Species	rabbit
evaluation	irritant effect possible
Method	OECD 405
Remarks	Influence of the product with the eyes can lead to blindness.

Sensitization (Components)

Species	guinea pig
evaluation	non-sensitizing

Mutagenicity (Components)

Species	hamster
evaluation	Information on genotoxicity in vitro available.
Method	OECD 473

Reproduction toxicity (Components)

Remarks	No data available
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Carcinogenicity (Components)

Remarks not determined

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

Remarks No data available

Repeated exposureevaluation May cause damage to organs through prolonged or repeated exposure
Organs: Nervous system**Repeated exposure**evaluation May cause damage to organs through prolonged or repeated exposure
Organs: Kidneys**Repeated exposure**evaluation May cause damage to organs through prolonged or repeated exposure
Organs: Liver**Repeated exposure**evaluation May cause damage to organs through prolonged or repeated exposure
Organs: Skin**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.

Experience in practice

After resorption of toxic quantities: headache. Causes a state of intoxication. May lead to drowsiness and unconsciousness. collapse

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

Species	Trout		
LC50	8.9		mg/l
Duration of exposure	96	h	
Method	Flow test; FIFRA Guideline 72-1		
NOEC	0.077		mg/l
Duration of exposure	60	d	
Source	ECHA		

Daphnia toxicity (Components)

Species	Ceriodaphnia dubia		
EC50	3.1		mg/l
Duration of exposure	48	h	
Method	static test		
Species	Daphnia magna		
NOEC	0.16		mg/l
Duration of exposure	16	d	
Source	ECHA		

Algae toxicity (Components)

Species	Pseudokirchneriella subcapitata		
EC50	61.1		mg/l
Duration of exposure	96	h	

Bacteria toxicity (Components)

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Species	Microorganisms	
IC50	21	mg/l
Duration of exposure	24	h
Source	ECHA	

12.2. Persistence and degradability

Biodegradability (Components)

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

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment ***

The Substance does not meet PBT-criteria.

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

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.

Do not dispose of it with household waste.

Do not allow to enter drains or water courses.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number	1671	1671	1671
14.2. UN proper shipping name	PHENOL, SOLID	PHENOL, SOLID	PHENOL, SOLID
14.3. Transport hazard class(es)	6.1	6.1	6.1
Label			
14.4. Packing group	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 WGK 2
(Germany)

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

Other regulations, restrictions and prohibition regulations

Observe employment restrictions for young people.

Observe employment restrictions for child bearing mothers and nursing mothers.

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.
 H318 Causes serious eye damage.
 H331 Toxic if inhaled.
 H341 Suspected of causing genetic defects.
 H373 May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 3

Acute Tox. 3 Acute toxicity, Category 3
 Eye Dam. 1 Serious eye damage, Category 1
 Muta. 2 Germ cell mutagenicity, Category 2
 Skin Corr. 1B Skin corrosion, Category 1B
 STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2

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.