

Trade name: Zinci pasta 25%

Substance number: 193571

Version: 5 / CH

Date revised: 24.03.2025

Replaces Version: 4 / CH

Print date: 24.03.25

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

Zinci pasta 25%

Item No. 19357100

Registration no.

Registration no. EXCEMPT

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

Manufacture of pharmaceutical products, Medicinal product

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**

Voluntary product information following the Safety Data Sheet format

2.2. Label elements**Labelling according to regulation (EC) No 1272/2008**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Chemical characterization**

Medicinal products

Hazardous ingredients**zinc oxide**

CAS No. 1314-13-2

EINECS no. 215-222-5

Registration no. 01-2119463881-32-0043

Concentration >= 25 < 50 %

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Classification (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Further ingredients *****Petrolatum Note N not carcinogen**

CAS No. 8009-03-8

EINECS no. 232-373-2

Registration no. 01-2119490412-42-0003

Concentration >= 50 %

Advice: [4]

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, N

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CAS No. 9005-25-8

EINECS no. 232-679-6

Concentration >= 25 < 50 %

Advice: [4]

Note

[4] Voluntary information

Other information

The product is an article within the meaning of Article 3 No. 3 of the REACH Regulation and thus not to be labelled according to the CLP regulation. The compilation of the Safety Data sheet is not required according to Article 31 REACH Regulation for articles and is done on a voluntary basis.

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

Remove contaminated, soaked clothing immediately and dispose of safely. In case of accident or if you feel unwell, seek medical advice immediately.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash skin thoroughly with water (15 min.).

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Let plenty of water be drunk in small gulps. Induce vomiting, seek medical advice.

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

Extinguishing measures to suit surroundings

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

Wear protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special requirements.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep container tightly closed and dry. Protect from exposure to light.

Hints on storage assembly

Not required.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

zinc oxide

List	SUVA	
Type	MAK	
Value	3	mg/m ³
Short term exposure limit	3	mg/m ³

Remarks: MetallrauchKT HU; NIOSH, OSHA

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List	SUVA	
Type	MAK	
Value	3	mg/m ³

Remarks: Haut

Derived No/Minimal Effect Levels (DNEL/DMEL)

zinc oxide

Type of value	Derived No Effect Level (DNEL)
Reference group	Worker
Duration of exposure	Long term
Route of exposure	inhalative

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Mode of action	Systemic effects	
Concentration	5	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0.5	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	83	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	2.5	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	83	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	0.83	mg/kg/d

Predicted No Effect Concentration (PNEC)**zinc oxide**

Type of value	PNEC	
Type	Freshwater	
Concentration	20.6	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	6.1	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6.1	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	117.8	mg/kg

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Type of value	PNEC	
Type	Marine sediment	
Concentration	56.5	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	35.6	mg/kg

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary.

Hand protection

Not suitable

Eye protection

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

Physical state Paste

Colour white

Melting point

Remarks not determined

Freezing point

Value appr. 50 to 55

Method DIN/ISO 2207

Remarks Information refers to the main component.

Boiling point or initial boiling point and boiling range

Remarks not determined

Flammability

Not ignitable

Flash point

Value > 200 °C

Remarks Information refers to the main component.

Decomposition temperature

Remarks To avoid thermal decomposition, do not overheat.

Vapour pressure

Value < 0.01 hPa

Remarks Information refers to the main component.

Density and/or relative density

Remarks not determined

9.2. Other information

Solubility in water

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Remarks

insoluble

SECTION 10: Stability and reactivity**10.1. Reactivity**Reacts with hydrogen peroxide (H₂O₂). Magnesium**10.2. Chemical stability**

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.5. Incompatible materialsStrong oxidising agents, Acids, hydrogen peroxide (H₂O₂), Magnesium**10.6. Hazardous decomposition products**

None

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

ATE 3'000 mg/kg
 Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**Petrolatum Note N not carcinogen**

Species rat
 LD50 > 5000 mg/kg
 Method OECD 401
 Remarks Based on available data, the classification criteria are not met.
 Source Literature value

Petrolatum Note N not carcinogen

NOAEL 1500 mg/kg
 Duration of exposure 90 d
 Method Value taken from the literature

zinc oxide

Species rat
 LD50 > 5000 mg/kg

zinc oxide

Species Human
 LDLo 500 mg/kg
 Source RTECS

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LD50 > 2000 mg/kg

Acute dermal toxicity

ATE 2'000 mg/kg
 Method calculated value (Regulation (EC) No. 1272/2008)

Acute dermal toxicity (Components)**Petrolatum Note N not carcinogen**

Species rat
 LD50 > 2000 mg/kg
 Method OECD 402
 Remarks Based on available data, the classification criteria are not met.

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Source	Literature value
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Petrolatum Note N not carcinogen

NOAEL	1000	mg/kg
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Duration of exposure	28	d
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Method	Value taken from the literature
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Petrolatum Note N not carcinogen

NOAEL	2000	mg/kg
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Duration of exposure	90	d
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Method	Value taken from the literature
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Acute inhalative toxicity (Components)**zinc oxide**

Species	rat	
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LC50	> 5.7	mg/l
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Duration of exposure	4	h
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Skin corrosion/irritation

Remarks	No effect of irritation known.
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Skin corrosion/irritation (Components)**Petrolatum Note N not carcinogen**

Species	rabbit
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evaluation	non-irritant
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Method	OECD 404
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Remarks	Based on available data, the classification criteria are not met.
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Source	Literature value
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zinc oxide

Species	rabbit
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evaluation	non-irritant
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Method	OECD 404
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Source	LS-5041-00 SDS Grillo 20150330.pdf
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Starch

evaluation	non-irritant
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Serious eye damage/irritation

Remarks	No effect of irritation known
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Serious eye damage/irritation (Components)**Petrolatum Note N not carcinogen**

Species	rabbit
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evaluation	slightly irritant
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Method	OECD 405
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Remarks	Based on available data, the classification criteria are not met.
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Source	Literature value
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zinc oxide

Species	rabbit
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evaluation	non-irritant
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Method	OECD 405
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Starch

evaluation	irritant effect possible
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Sensitization (Components)**Petrolatum Note N not carcinogen**

Species	guinea pig
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evaluation	non-sensitizing
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Method	OECD 406
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Remarks	Based on available data, the classification criteria are not met.
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Source	Literature value
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zinc oxide

Species	guinea pig
evaluation	non-sensitizing

Mutagenicity (Components)**Petrolatum Note N not carcinogen**

evaluation	No experimental information on genotoxicity in vitro available.
Method	Value taken from the literature

Petrolatum Note N not carcinogen

evaluation	No experimental indications on genotoxicity in vivo found.
Method	Value taken from the literature

Reproduction toxicity (Components)**Petrolatum Note N not carcinogen**

evaluation	No negative effects
Method	OECD 421
Remarks	Based on available data, the classification criteria are not met.
Source	Literature value

Carcinogenicity (Components)**Petrolatum Note N not carcinogen**

evaluation	Based on available data, the classification criteria are not met.
Remarks	No evidence available on carcinogenicity.

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

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Other information

By appropriate use of the product no health damage is known.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Petrolatum Note N not carcinogen**

Species	Fathead minnow (Pimephales promelas)
LL50	> 100 mg/l
Method	OECD 203
Source	Literature value

Daphnia toxicity (Components)**Petrolatum Note N not carcinogen**

Species	Daphnia magna
EL50	> 10000 mg/l
Duration of exposure	48 h
Method	OECD 202
Source	Literature value

Petrolatum Note N not carcinogen

Species	Daphnia magna
NOEL	10 mg/l
Duration of exposure	21 d
Method	OECD 211
Source	Literature value

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zinc oxide

Species	Daphnia	
EC50	0.413	mg/l
Duration of exposure	48	h
Source	pH<7, Zn++	

zinc oxide

Species	Daphnia	
EC50	0.67	mg/l
Duration of exposure	48	h
Source	pH<7, ZnO	

Algae toxicity (Components)**Petrolatum Note N not carcinogen**

Species	Pseudokirchneriella subcapitata	
NOEL	>= 100	mg/l
Method	OECD 201	
Source	Literature value	

zinc oxide

Species	Selenastrum capricornutum	
ErC50	0.136	mg/l
Duration of exposure	72	h
Source	pH>7-8.5, Zn++	

zinc oxide

Species	Selenastrum capricornutum	
ErC50	0.21	mg/l
Duration of exposure	72	h
Source	pH>7-8.5, ZnO	

Bacteria toxicity (Components)**Petrolatum Note N not carcinogen**

Species	Photobacterium phosphoreum	
NOEL	> 1.93	mg/l
Duration of exposure	4	d
Method	DIN 38412 Part 8	
Source	Literature value	

12.2. Persistence and degradability**Biodegradability (Components)****Petrolatum Note N not carcinogen**

evaluation	Moderately/partially biodegradable
Method	OECD 302 C
Source	Literature value

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

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

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Toxic for aquatic organisms. Do not allow it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

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 ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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

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

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Acute 1

Hazardous to the aquatic environment, acute, Category 1

Aquatic Chronic 1

Hazardous to the aquatic environment, chronic, 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.