

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Zinci oxidum pulv Pharma 8

Item-No. 06857000

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

Use of the substance/preparation

Chemical, Chemical for synthesis, Manufacture of pharmaceutical products, Colours, Icing, Cosmetics

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

2. Hazards identification

2.1. Classification of the substance or mixture

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

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

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Classification in accordance with EC directives

Classification N, R50/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P391 Collect spillage.

P501.3 Disposal in compliance with local and national regulations.

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols



Dangerous for the environment

R phrases

50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

60

This material and its container must be disposed of as hazardous waste.

61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

3. Composition/information on ingredients

Substance / product identification

REACH Registry No. 01-2119463881-32-0043

Hazardous ingredients

Zinc oxide

CAS No. 1314-13-2

EINECS no. 215-222-5

Concentration >= 50 %

Classification N, R50/53

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

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

4. First aid measures

4.1. Description of first aid measures

General information

Remove affected person from danger area.

After inhalation

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

After skin contact

Wash off with soap and water. Remove contaminated clothing.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Drink water in small gulps. In the event of symptoms take medical treatment.

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not allow run-off from fire fighting to enter drains or water courses. Use self-contained breathing apparatus. Wear protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid longer or repeated exposition. Avoid development of dusts/ billows/ steams. For personal protection see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry. Keep only in the original container.

Hints on storage assembly

Do not store with acids. Do not store with alkalies.

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	
Maximum limit value: 15 min; Status: 2012			

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

General protective and hygiene measures

General industrial hygiene practice.

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

Respiratory protection

If ventilation insufficient, use respiratory protection. Dust mask; Particle filter P2

Hand protection

necessary

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

Leather

Appropriate Material

Natural Latex

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

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

Form	Powder		
Colour	white to yellow		
Odour	odourless		
pH			
Value	7	to	8
Melting point			
Value	1970	to	1975 °C
Boiling point			
Value	°C		
Remarks	Not applicable		
Flash point			
Value	°C		
Remarks	Not applicable		
Vapour pressure			
Remarks	Not applicable		
Solubility in water			
Value	< 2		mg/l
Solubility in other solvents	cold acids and alkalines		

9.2. Other information**Bulk density**

Value	300	to	2000	kg/m ³
Method	DIN 53466			

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

Stable under recommended storage and handling conditions (see section 7).

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

10.5. Incompatible materialsAcids, Bases, hydrogen peroxide (H₂O₂). Magnesium**10.6. Hazardous decomposition products**

None

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

Species	rat		
LD50	>	15000	mg/kg
Source	IUCLID		

Acute inhalational toxicity

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

Skin corrosion/irritation

Species	rabbit
Method	OECD 404
Remarks	No effect of irritation known.

Serious eye damage/irritation

Species	rabbit
Method	OECD 405
Remarks	No effect of irritation known

Sensitization

Species	guinea pig
Remarks	No sensitisation effect known.

Mutagenicity

Remarks	None
---------	------

Reproduction toxicity

Remarks	No data available
---------	-------------------

Carcinogenicity

Remarks	No evidence available on carcinogenicity.
---------	---

12. Ecological information**12.1. Toxicity****Algae toxicity**

Species	Selenastrum capricornutum	
EC50	170	µg/l
Duration of exposure	72	h

12.2. Persistence and degradability**Biodegradability**

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
---------	--

13. Disposal considerations

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Date revised: 12.06.13

Replaces Version: - / CH

Date of printing: 19.06.13

13.1. Waste treatment methods**Disposal recommendations for the product**

EWC waste code 06 03 16 metallic oxides other than those mentioned in 06 03 15

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances

Dispose of as unused product.

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

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Danger releasing substance Zinc oxide

14.3. Transport hazard class(es)

Class 9

Label 9

14.4. Packing group

Packing group III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

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

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Danger releasing substance Zinc oxide

14.3. Transport hazard class(es)

Class 9

14.4. Packing group

Packing group III

14.5. Environmental hazards

Marine Pollutant

Environmental labelling ENVIRONMENTALLY HAZARDOUS

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

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Danger releasing substance Zinc oxide

14.3. Transport hazard class(es)

Class 9

14.4. Packing group

Packing group III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

15. Regulatory information

Trade name: Zinci oxidum pulv Pharma 8

Substance number: 068570

Version: 1 / CH

Replaces Version: - / CH

Date revised: 12.06.13

Date of printing: 19.06.13

16. Other information

R-phrases listed in Chapter 3

50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements listed in Chapter 3

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

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.