

Trade name: Sulfur ad usum externum

Substance number: 068008

Version: 5 / CH

Date revised: 04.08.2025

Replaces Version: 4 / CH

Print date: 04.08.25

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

1.1. Product identifier

Sulfur ad usum externum

Item No. 06800800

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

Use of the substance/preparation

Manufacture of pharmaceutical products, Active pharmaceutical substance, Chemical for synthesis, 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)

Skin Irrit. 2 H315

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

Warning

Hazard statements

H315 Causes skin irritation.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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Take off contaminated clothing.

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	32.065	g/mol
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Hazardous ingredients**Sulfur**

CAS No.	7704-34-9	
EINECS no.	231-722-6	
Registration no.	01-2119487295-27-XXXX	
Concentration	>= 100	%
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2	H315

ATE	oral	2'000	mg/kg
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SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. If the patient is likely to become unconscious, place and transport in stable sideways position. Breathing with the help of a ventilator bag or ventilator. Summon a doctor immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

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

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

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

The following symptoms may occur: Irritation of respiratory organs, Shortness of breath, Headache, Dizziness, Convulsions, Diarrhoea, Cardiovascular disturbance, CNS Disturbance, Unconsciousness

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

If swallowed, flush stomach

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

Extinguishing measures to suit surroundings

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5.2. Special hazards arising from the substance or mixture

The product is combustible. In case of combustion, evolution of health hazardous partially burned gases.
Sulphur oxides

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

Use self-contained breathing apparatus.

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

Avoid dust formation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Suppress gases/vapours/mists with water spray jet.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

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 dust formation. Dust deposits that cannot be avoided must be taken up regularly. Do not clean dust-covered objects and floors while dry but clean thoroughly with plenty of water.

Advice on protection against fire and explosion

Substance/product ignites spontaneously. Dust can form an explosive mixture with air. Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

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

Keep in a cool place. Do not use steel containers. Do not use containers, lines etc. made of copper or copper alloys.

Hints on storage assembly

Do not store together with: Alkalis, Oxidising agents

Storage classes

Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous
Storage class according to TRGS 510	4.1B	Flammable hazardous solids

Further information on storage conditions

Keep container tightly closed. Keep container tightly closed, cool and dry. Protect from atmospheric moisture and water.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

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Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Use barrier skin cream. Avoid contact with skin and eyes. At work do not eat, drink, smoke or take drugs. Do not inhale dust/fumes/aerosols.

Respiratory protection

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2; Breathing apparatus in the event of gases. Gas filter class E.

Hand protection

Protective gloves	
Appropriate Material	nitrile
Material thickness	>=
Breakthrough time	8 h

Eye protection

Tightly fitting safety glasses

Body protection

impermeable protective overalls

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

Physical state	solid
Colour	yellow
Odour	Sulphur-like

Melting point

Value	116	°C
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Boiling point or initial boiling point and boiling range

Value	444	°C
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Flash point

Value	188	°C
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Ignition temperature

Value	235	°C
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pH value

Remarks	Not applicable
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Viscosity

Remarks	Not applicable
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Vapour pressure

Value	< 0.01	hPa
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Density and/or relative density ***

Remarks	not determined
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9.2. Other information**Solubility in water**

Value	0.00000	g/l
	5	
Remarks	insoluble	

Explosive properties

evaluation	Not applicable
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SECTION 10: Stability and reactivity

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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

Oxidising agents

10.4. Conditions to avoid

Heat. Flames. Sparks

10.5. Incompatible materials

Reactions with earth alkali metals. Oxidising agents, Acids, Fluorine, Alkaline metals, lithium tetrahydridoaluminate, Reducing agents, Nitrites, nitrates, Halogens, Salts of metals (iron), Metals, peroxides

10.6. Hazardous decomposition productssulphurous oxides (SO_x)**Other information**

Danger of dust explosion

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

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

Acute oral toxicity (Components)**Sulfur**

Species	rat	
LD50	> 5000	mg/kg
Source	IUCLID	

Sulfur

Species	rat	
LC50	2000	mg/kg

Acute dermal toxicity (Components)**Sulfur**

Species	rabbit	
LD50	> 2000	mg/kg
Source	IUCLID	

Acute inhalative toxicity (Components)**Sulfur**

Species	rat	
LC50	9.23	mg/l
Duration of exposure	4	h
Source	IUCLID	

Sulfur

Species	rat	
LC50	5430	mg/m ³

Skin corrosion/irritation (Components)**Sulfur**

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evaluation irritant

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

evaluation slightly irritant

Sensitization (Components)**Sulfur**

evaluation non-sensitizing

Mutagenicity (Components)**Sulfur**

Species Salmonella typhimurium

evaluation No experimental information on genotoxicity in vitro available.

Method Ames test

Reproduction toxicity (Components)**Sulfur**

Remarks No data available

Carcinogenicity (Components)**Sulfur**

Remarks No data available

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)****Sulfur**

Species	zebra fish (Brachydanio rerio)	
LC50	866	mg/l
Duration of exposure	96	h
Source	IUCLID	

Sulfur

Species	rainbow trout (Oncorhynchus mykiss)	
LC50	180	mg/l

Daphnia toxicity (Components)**Sulfur**

Species	Daphnia magna	
EC50	< 1000	mg/l

Sulfur

Species	Daphnia magna	
EC0	> 10000	mg/l
Duration of exposure	24	h

Sulfur

Species	Daphnia magna	
EC50	> 5000	mg/l

Bacteria toxicity (Components)**Sulfur**

Species activated sludge

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EC50	1900	mg/l
Duration of exposure	3	h
Source	ISO 8192	

12.2. Persistence and degradability**General information**

No data available

12.3. Bioaccumulative potential**General information**

No data available

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.

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**

No data available

General information / ecology

Innocuous to aquatic organisms.

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.

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

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	1350	1350	1350
14.2. UN proper shipping name	SULPHUR	SULPHUR	SULPHUR
14.3. Transport hazard class(es)	4.1	4.1	4.1
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		

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) Not water hazardous

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

National regulations Switzerland

Swiss Toxicity Class 5
 SFOPH T no. G-54929
 EDP no. G-54929

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

H315 Causes skin irritation.

CLP categories listed in Chapter 3

Skin Irrit. 2 Skin irritation, 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.