

Trade name: Natrii sulfas decahydricus

Substance number: 066584

Version: 3 / CH

Date revised: 04.06.2026

Replaces Version: 2 / CH

Print date: 04.06.26

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

1.1. Product identifier

Natrii sulfas decahydricus

Item No. 06658425

Substance / product identification

CAS-No. 7727-73-3

EINECS-No. 231-820-9

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

Use of the substance/preparation

Manufacture of pharmaceutical products, food industry, Raw material for chemistry

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

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

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

No special hazards have to be mentioned.

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

322.19

g/mol

Further ingredients

Sodium sulphate, decahydrate

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CAS No. 7727-73-3
EINECS no. 231-820-9
Registration no. 01-2119519226-43-XXXX
Concentration >= 95 %
Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

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

After ingestion

Let plenty of water be drunk in small gulps. By continuous complaints consult a physician.

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

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixtureThe product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Sulfuroxides (SO_x)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet. Do not discharge into surface waters/groundwater.

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

Avoid dust formation. Do not inhale dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dampen, pick up mechanically and dispose of. Clean up affected area.

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

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Advice on safe handling

Observe safety references and application instructions mentioned on can.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value < 30 °C

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol. Short term: filter apparatus, Filter P1; EN 143

Hand protection

Gloves			
Appropriate Material	nitrile rubber - NBR		
Material thickness	0.11	mm	
Breakthrough time	> 480	min	
Hand protection must comply with EN 374.			

Eye protection

Safety glasses; Eye protection must comply with EN 166.

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	solid
Physical state	crystalline
Colour	colourless
Odour	odourless

Melting point

Value 32.4 °C

Boiling point or initial boiling point and boiling range

Remarks Not applicable

Flash point

Remarks Not applicable

Decomposition temperature

Value > 890 °C

pH value

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Value	5.2	to	8.0
Concentration/H ₂ O	50	g/l	
Temperature	25	°C	

Density and/or relative density

Value	1.464	g/cm ³
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9.2. Other information**Solubility in water**

Value	appr. 420	g/l
Temperature	20	°C

Bulk density

Value	appr. 700	kg/m ³
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known.

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

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition productssulphurous oxides (SO_x)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

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Skin corrosion/irritation

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation (Components)**Sodium sulphate, decahydrate**Species rabbit
evaluation non-corrosive
Method OECD 404**Serious eye damage/irritation**

Remarks Based on available data, the classification criteria are not met.

Serious eye damage/irritation (Components)**Sodium sulphate, decahydrate**Species rabbit
evaluation slightly irritant
Method OECD 405**Sensitization**

Remarks Based on available data, the classification criteria are not met.

Sensitization (Components)**Sodium sulphate, decahydrate**

Remarks No data available

Subacute, subchronic, chronic toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity (Components)**Sodium sulphate, decahydrate**evaluation No mutagenicity in the Ames-test.
Method Ames test
Source IUCLID**Reproductive toxicity**

Remarks Based on available data, the classification criteria are not met.

Reproduction toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available

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

Remarks Based on available data, the classification criteria are not met.

Repeated exposure

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) (Components)**Sodium sulphate, decahydrate**

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Remarks Not applicable

Aspiration hazard

Based on available data, the classification criteria are not met.

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**

Species	Gambusia affinis		
LC50	120		mg/l
Duration of exposure	96	h	
Source	IUCLID		

Fish toxicity (Components)**Sodium sulphate, decahydrate**

Species	Gambusia affinis		
LC50	120		mg/l
Duration of exposure	96	h	
Source	IUCLID		
Source	auf wasserfreie Substanz bezogen		

Daphnia toxicity

Species	Daphnia magna		
EC50	2564		mg/l
Duration of exposure	48	h	
Source	IUCLID		

Daphnia toxicity (Components)**Sodium sulphate, decahydrate**

Species	Daphnia magna		
EC50	2.564		mg/l
Source	IUCLID		
Source	auf wasserfreie Substanz bezogen		

Algae toxicity (Components)**Sodium sulphate, decahydrate**

Remarks No data available.

Bacteria toxicity

Species	Pseudomonas putida		
EC10	> 1000		mg/l
Duration of exposure	16	h	
Source	IUCLID		

Bacteria toxicity (Components)**Sodium sulphate, decahydrate**

Species	Pseudomonas putida		
	> 1000		
Duration of exposure	16	h	
Source	IUCLID		
Source	auf wasserfreie Substanz bezogen		

12.2. Persistence and degradability

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Physico-chemical eliminability (Components)**Sodium sulphate, decahydrate**

Remarks No data available.

Biodegradability

Remarks Not applicable.

Biodegradability (Components)**Sodium sulphate, decahydrate**

Remarks 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 / ecology**

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**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID 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.
14.5. Environmental hazards	-		

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 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

Other information ***

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The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of $\geq 0.1\%$ w/w.

15.2. Chemical safety assessment

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

SECTION 16: Other information

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.