

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

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

1.1. Product identifier

Natrii benzoas pulvis

Item No. 06583200

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

Use of the substance/preparation

Manufacture of pharmaceutical products, food additive, Antioxidant, Manufacture of cosmetics, Preservative

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)

Eye Irrit. 2 H319

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

H319 Causes serious eye irritation.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

P337+P313

If eye irritation persists: Get medical advice/attention.

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	144.11	g/mol
-------	--------	-------

Hazardous ingredients**Sodium benzoate**

CAS No.	532-32-1	
EINECS no.	208-534-8	
Registration no.	01-2119460683-35-XXXX	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319

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

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

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

After skin contact

Consult a doctor if skin irritation persists. Wash off immediately with soap and water and rinse well.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion

Do not induce vomiting. Summon a doctor immediately.

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

Irritation of respiratory organs, Causes very strong irritations of the eyes, skin and mucous membranes.

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus. Wear full protective suit.

Other information

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

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

Wear protective equipment. Keep away unprotected persons. Keep away sources of ignition. Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/aerosol. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

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**

Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

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 only in original packaging.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

Further information on storage conditions

Protect from heat and direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Derived No/Minimal Effect Levels (DNEL/DMEL)****Sodium benzoate**

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

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0.1	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	Systemic effects	
Concentration	3	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	62.5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0.06	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1.5	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	31.25	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	16.6	mg/kg/d

Predicted No Effect Concentration (PNEC)**Sodium benzoate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.13	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	1.76	mg/kg

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Type of value	PNEC	
Type	Saltwater	
Concentration	0.013	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.176	mg/kg
Type of value	PNEC	
Conditions	Intermittend	
Concentration	0.305	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0.276	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Wash hands before breaks and after work. Hold eye wash fountain available.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter P2; EN 141; EN 143; EN 149

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	Butyl rubber - Butyl
Breakthrough time	> 4 h
Appropriate Material	nitrile rubber - NBR
Breakthrough time	< 4 h
Appropriate Material	neoprene
Breakthrough time	> 4 h
Appropriate Material	Fluoro carbon rubber - FKM
Breakthrough time	> 4 h
Appropriate Material	PVC
Breakthrough time	> 4 h

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

protective overalls; Boots

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	odourless

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Physical state

Granules

Melting point

Value	436	°C
Method	OECD 102	

Boiling point or initial boiling point and boiling range

Value	465	°C
-------	-----	----

Flammability

No data available

Flash point

Value	°C
Remarks	Not applicable

Decomposition temperature

Value	450	to	475	°C
-------	-----	----	-----	----

pH value

Value	8.0
Concentration/H ₂ O	10 %

Viscosity

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

Partition coefficient n-octanol/water (log value)

log Pow	1.88
Source	Analogous

Vapour pressure

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

Density and/or relative density

Value	1.44	to	1.50	g/cm ³
Temperature	20	°C		
Remarks	Relative Density according specification			

Particle characteristics

Type	Min. particle size	
Particle size	> 500	µm

9.2. Other information**Solubility in water**

Value	556	g/l
-------	-----	-----

Oxidising properties

evaluation	Not oxidising
------------	---------------

Other information ***

Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

None

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Water. Sensitive to moisture.

10.5. Incompatible materials

Strong oxidising agents, Reactions with strong acids. Salts of metals (iron)

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

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

Species	rat		
LD50	>	2000	mg/kg

Acute dermal toxicity (Components)**Sodium benzoate**

Species	rat		
LD50	>	2000	mg/kg

Acute inhalative toxicity (Components)**Sodium benzoate**

Species	rat		
LC50		12.2	mg/l
Administration/Form	Dust/Mist		

Skin corrosion/irritation (Components)**Sodium benzoate**

Species	rabbit
evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation (Components)**Sodium benzoate**

Species	rabbit
evaluation	strongly irritant
Method	OECD 405

Sensitization (Components)**Sodium benzoate**

Species	mouse
evaluation	non-sensitizing
Method	OECD 429

Mutagenicity (Components)**Sodium benzoate**

Species	Salmonella typhimurium
evaluation	No mutagenicity in the Ames-test.

Sodium benzoate

Species	Escherichia coli
evaluation	No mutagenicity in the Ames-test.

Sodium benzoate

Species	hamster
evaluation	Information on genotoxicity in vitro available.

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Method OECD 473

Sodium benzoate

Species Human
 evaluation Information on genotoxicity in vitro available.
 Method OECD 479

Sodium benzoate

Species Human
 evaluation Information on genotoxicity in vitro available.
 Method OECD 487

Sodium benzoate

Species rat
 evaluation No experimental information on genotoxicity in vitro available.
 Method OECD 475

Reproduction toxicity (Components)**Sodium benzoate**

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

Carcinogenicity (Components)**Sodium benzoate**

Species rat
 Dose \geq 20000 ppm(m)
 evaluation Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) (Components)**Sodium benzoate**

Remarks 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.

Experience in practice

Inhalation can cause damage to the respiratory tract or lungs.

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

Species Fathead minnow (Pimephales promelas)
 LC50 484 mg/l
 Duration of exposure 96 h

Sodium benzoate

Species zebra fish (Brachydanio rerio)
 NOEC 10 mg/l
 Duration of exposure 144 h

Daphnia toxicity (Components)**Sodium benzoate**

Species Daphnia magna
 EC50 $>$ 100 mg/l
 Duration of exposure 96 h
 Method OECD 202

Algae toxicity (Components)

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

Sodium benzoate

Species	Pseudokirchneriella subcapitata	
EC50	> 30.5	mg/l
Duration of exposure	72 h	

Sodium benzoate

Species	Pseudokirchneriella subcapitata	
NOEC	0.09	mg/l
Duration of exposure	72 h	

Sodium benzoate

Species	Desmodesmus subspicatus	
EC10	6.5	mg/l
Duration of exposure	72 h	
Method	OECD 201	

12.2. Persistence and degradability**Biodegradability (Components)****Sodium benzoate**

Value	85	to	84	%
Duration of test	28	d		
evaluation	Readily biodegradable			
Method	OECD 301 B			

Sodium benzoate

Value	50	to	97	%
Duration of test	60	Days		
evaluation	Readily biodegradable			
Remarks	anaerob			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	1.88
Source	Analogous

Octanol/water partition coefficient (log Pow) (Components)**Sodium benzoate**

log Pow	-2.27
---------	-------

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. Product is slightly hazardous to water.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Trade name: Natrii benzoas pulvis

Substance number: 065832

Version: 5 / CH

Date revised: 15.01.2025

Replaces Version: 4 / CH

Print date: 15.01.25

EWC waste code

No not dispose with rubbish.

Disposal in compliance with local and national regulations.

EWC waste code

Should not be released into the sanitary sewer system.

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 (Germany) WGK 1

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 been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H319 Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2 Eye 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.