

Trade name: Natrii carbonas decahydricus

Substance number: 065952

Version: 4 / CH

Date revised: 13.02.2023

Replaces Version: 3 / CH

Print date: 13.02.23

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

1.1. Product identifier

Natrii carbonas decahydricus

Item No. 06595200

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, Additive

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.

P337+P313 If eye irritation persists: Get medical advice/attention.

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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	286.14	g/mol
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Hazardous ingredients

Sodium carbonate, decahydrate

CAS No.	6132-02-1	
EINECS no.	612-116-4	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319

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.). Summon a doctor immediately.

After ingestion

Let plenty of water be drunk in small gulps. Summon a doctor immediately.

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 mixture

The product is not combustible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Do not inhale dust. Ensure supply of fresh air.

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6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Dampen, pick up mechanically and dispose of. Clean up affected area. Avoid raising dust.

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

No special measures necessary if stored and handled as prescribed.

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

Value < 25 °C

Requirements for storage rooms and vessels

Keep in a dry place. Do not store or transport in containers made of light metals or alloys.

Hints on storage assembly

Do not store with acids.

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

Keep container tightly closed.

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

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face after work. Preventative skin protection.

Respiratory protection

Breathing apparatus in the event of aerosol. Particle filter P2

Hand protection

Gloves			
Appropriate Material	nitrile rubber - NBR		
Material thickness	0.4	mm	
Breakthrough time	> 480	min	

Eye protection

Safety glasses with side protection shield

Body protection

protective overalls

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

Physical state	solid
Physical state	crystalline
Colour	white

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Odour	odourless		
Melting point			
Value	33	°C	
Boiling point or initial boiling point and boiling range			
Remarks	Not applicable		
Flash point			
Remarks	Not applicable		
pH value			
Value	11.5		
Concentration/H ₂ O	50	g/l	
Temperature	20	°C	
Density and/or relative density			
Value	1.44	g/cm ³	
Temperature	20	°C	

9.2. Other information**Solubility in water**

Value	appr. 210	g/l	
Temperature	20	°C	

SECTION 10: Stability and reactivity**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

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Reacts violently with: Acids, Reactions with earth alkali metals. aluminium (Al), Alkaline metals

10.6. Hazardous decomposition products

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 carbonate, decahydrate**

Species	rat		
LD50	2800	mg/kg	

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

Species	rabbit		
LD50	> 2000	mg/kg	

Acute inhalative toxicity (Components)

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Sodium carbonate, decahydrate

Species	guinea pig		
LC50	0.8		mg/l
Duration of exposure	2	h	

Sodium carbonate, decahydrate

Species	mouse		
LC50	1.2		mg/l
Duration of exposure	2	h	

Sodium carbonate, decahydrate

Species	rat		
LC50	2.3		mg/l
Duration of exposure	2	h	

Skin corrosion/irritation (Components)**Sodium carbonate, decahydrate**

evaluation	non-irritant
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Serious eye damage/irritation (Components)**Sodium carbonate, decahydrate**

evaluation	irritant - risk of serious damage to eyes
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Sensitization (Components)**Sodium carbonate, decahydrate**

evaluation	non-sensitizing
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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.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Sodium carbonate, decahydrate**

Species	Bluegill (<i>Lepomis macrochirus</i>)		
LC50	300		mg/l
Duration of exposure	96	h	

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

Species	Ceriodaphnia spec		
EC50	200	to	227
Duration of exposure	48	h	mg/l

12.2. Persistence and degradability**Biodegradability**

Remarks	Not applicable.
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Biodegradability (Components)**Sodium carbonate, decahydrate**

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
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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**Behaviour in environment compartments**Because of the n-octanol/water distribution coefficient (log p_{OW}) accumulation in organisms is not possible.**General information / ecology**

Ecological injuries are not known or expected under normal use. Do not allow it to reach soil, 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	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

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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.