

Trade name: Natrii carbonas monohydricus

Substance number: 065968

Version: 4 / CH

Date revised: 17.12.2018

Replaces Version: 3 / CH

Print date: 01.10.19

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

1.1. Product identifier

Natrii carbonas monohydricus

Item No. 06596800

Substance / product identification

CPID 326757-12

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.

SECTION 3: Composition/information on ingredients

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Molecular weight

Value 106 g/mol

Hazardous ingredients**Sodium carbonate**

CAS No. 497-19-8

EINECS no. 207-838-8

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 clothing immediately and dispose of safely.

After inhalation

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

After skin contact

Wash skin thoroughly with water (15 min.).

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

Frequent and persistent contact with the skin can cause dermatitis.

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

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

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible.

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

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

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

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

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has

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entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide exhaust ventilation if dust is formed. Avoid dust formation. Avoid skin and eye contact.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Do not use aluminium containers.

Hints on storage assembly

Not required.

Storage classes

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

Further information on storage conditions

Protect from atmospheric moisture and water. Product is hygroscopic. Keep container in a well-ventilated place. Keep container tightly closed.

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

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work. Avoid contact with eyes. Avoid contact with skin and eyes.

Respiratory protection

necessary; Particle filter P2; Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Gloves (alkali-resistant)			
Appropriate Material	Natural Latex		
Material thickness	>=	0.5	mm
Breakthrough time		8	h
Appropriate Material	Polychloroprene		
Material thickness	>=	0.5	mm
Breakthrough time		8	h
Appropriate Material	nitrile rubber - NBR		
Material thickness	>=	0.35	mm
Breakthrough time		8	h
Appropriate Material	Butyl rubber - Butyl		
Material thickness	>=	0.5	mm
Breakthrough time		8	h

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Appropriate Material	Fluoro carbon rubber - FKM
Material thickness	>= 0.4 mm
Breakthrough time	8 h
Appropriate Material	PVC
Material thickness	>= 0.5 mm
Breakthrough time	8 h

Eye protection

Tightly fitting safety glasses

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** Crystalline powder**Colour** white**Odour** odourless**pH value**

Value	11.6	
Concentration/H ₂ O	100	g/l
Temperature	20	°C

Melting point

Value 851 °C

Initial boiling point and boiling range

Value 1600 °C

Flash point

Remarks Not applicable

Flammability (solid, gas)

Not ignitable

Density

Value	2.53		g/cm ³
Temperature	20	°C	

Solubility in water

Value	215		g/l
Temperature	20	°C	

Decomposition temperature

Value > 400 °C

9.2. Other information**Bulk density**Value 0.5 to 1.2 kg/dm³**Other information**

The product is not dangerous for explosions.

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

No decomposition if stored and applied as directed. Exothermic reaction with: Water

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

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Sensitive to moisture. Protect from atmospheric moisture and water.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Acids, Zinc, Aluminium, Exothermic reaction with acids. Reactions with various metals. Reactions with light metals in the presence of moisture, with evolution of hydrogen. Build-up strong heat when diluted or dissolved in water.

10.6. Hazardous decomposition products

Carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Sodium carbonate**

Species	rat		
LD50		2800	mg/kg

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

Species	rabbit		
LD50		2210	mg/kg

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

Species	rat		
LC50		2875	mg/l
Duration of exposure		4	h
Administration/Form	Dust/Mist		

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

evaluation	slightly irritant
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Serious eye damage/irritation (Components)**Sodium carbonate**

evaluation	irritant
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Sensitization (Components)**Sodium carbonate**

evaluation	non-sensitizing
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SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Sodium carbonate**

Species	Bluegill (<i>Lepomis macrochirus</i>)		
EC50		300	mg/l
Duration of exposure		96	h

Daphnia toxicity (Components)**Sodium carbonate**

Species	Daphnia magna
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EC50 265 mg/l
Duration of exposure 48 h

12.2. Persistence and degradability**Biodegradability**

evaluation not degradable

12.3. Bioaccumulative potential**General information**

Not applicable

12.5. Results of PBT and vPvB assessment**General information**

Not applicable

Evaluation of persistence and bioaccumulation potential

The Substance doesn't meets PBT/vPvB-criteria

Evaluation of persistence and bioaccumulation potential (Components)**Sodium carbonate**

Does not bioaccumulate.

12.6. Other adverse effects**General information**

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**

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

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	Non-dangerous goods	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

WGK 1

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(Germany)
Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

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.