

Trade name: Natrii silicatis solut d=1.36

Substance number: 213800

Version: 5 / CH

Date revised: 08.11.2021

Replaces Version: 4 / CH

Print date: 08.11.21

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

1.1. Product identifier

Natrii silicatis solut d=1.36

Item No. 21380000

Substance / product identification

CAS-No. 1344-09-8

EINECS-No. 215-687-4

REACH Registry No. 01-2119448725-31

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

Use of the substance/preparation

industry, Manufacture of cosmetics

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.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Chemical characterization

Alcoholic solution

Further ingredients ***

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration >= 50 %

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Advice: [4]

Silicic acid, sodium salt, aqueous solution, molar ratio MR > 3.2

CAS No. 1344-09-8

EINECS no. 215-687-4

Registration no. 01-2119448725-31

Concentration >= 25 < 50 %

Advice: [4]

Note

[4] Voluntary information

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

Remove contaminated, soaked clothing immediately and dispose of safely. After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if symptoms occur.

After eye contact

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

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

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

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas. Water spray jet, Carbon dioxide, Dry powder, Foam

Non suitable extinguishing media

Full water jet

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

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

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. High risk of slipping due to leakage/spillage of product. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Neutralize. Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations. Clean contaminated surfaces, appropriate is: Slightly acid solution.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Wear protective equipment

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

Keep in original packaging, tightly closed. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store with acids. Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 12 Non-combustible liquids

Further information on storage conditions

Keep container tightly closed. Store in a dry place. Protect from frost. Protect from exposure to air/oxygen.

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. Wash hands before breaks and after work. Avoid contact with skin and eyes. Hold eye wash fountain available.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Particle filter P2

Hand protection ***

Gloves (alkali-resistant)
 Appropriate Material nitrile rubber - NBR
 Material thickness >= 0.4 mm
 Breakthrough time >= 480 min
 Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

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Body protection

Alkali-resistant protective clothing

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

Form	liquid, clear		
Colour	colourless to yellowish		
Odour	odourless		
pH value			
Value	11	to	12
Initial boiling point and boiling range			
Value	> 100		°C
Flash point			
Value			°C
Remarks	Not applicable		
Vapour pressure			
Remarks	not determined		
Density			
Value	1.36		g/cm ³
Temperature	20	°C	
Solubility in water			
Remarks	Completely miscible		
Viscosity			
Value	appr. 90		mPa.s
Temperature	20	°C	
Efflux time			
Value	< 11		s
Method	DIN 53211 4 mm		

9.2. Other information**Solids content**

Value appr. 35 %

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.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

Reactions with metals, with evolution of hydrogen. aluminium (Al), Zinc

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10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Silicic acid, sodium salt, aqueous solution, molar ratio MR > 3.2**

Species	rat		
LD50		3400	mg/kg

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

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

Other information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

SECTION 12: Ecological information *****12.1. Toxicity****General information**

Warning - substance not yet fully tested.

Fish toxicity (Components)**Silicic acid, sodium salt**

Species	zebra fish (Brachydanio rerio)		
LC50		1108	mg/l
Source	IUCLID		

Daphnia toxicity (Components)**Silicic acid, sodium salt**

Species	Daphnia magna		
EC50		1700	mg/l
Duration of exposure		48	h
Source	IUCLID		

Algae toxicity (Components)**Silicic acid, sodium salt**

Species	Scenedesmus subspicatus		
ErC50		207	mg/l
Duration of exposure		72	h
Source	IUCLID		

12.2. Persistence and degradability

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General information

Warning - substance not yet fully tested.

12.3. Bioaccumulative potential**General information**

Warning - substance not yet fully tested.

12.4. Mobility in soil**General information**

Warning - substance not yet fully tested.

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

Warning - substance not yet fully tested.

Evaluation of persistence and bioaccumulation potential (Components)**Silicic acid, sodium salt**

The Substance doesn't meets PBT/vPvB-criteria

12.6. Other adverse effects**General information**

Neutralization is normally necessary before waste water is discharged into water treatment plants. Do not allow it to reach soil, ground water, water bodies or sewage system.

General information / ecology

Innocuous to aquatic organisms. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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

EWC waste code 06 02 05* other bases

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

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) *****

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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 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.