

Trade name: Reinigungslauge 2 - 5%

Substance number: 309988

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 04.10.19

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

1.1. Product identifier

Reinigungslauge 2 - 5%

Item No. 30998800

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

Use of the substance/preparation

Cleaning agent

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)

Skin Corr. 1A H314

Met. Corr. 1 H290

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H314

Causes severe skin burns and eye damage.

H290

May be corrosive to metals.

Precautionary statements

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.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

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P310 with water [or shower].
 P405 Immediately call a POISON CENTER or doctor.
 P501.3 Store locked up.
 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Sodium hydroxide

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Alcoholic solution

Hazardous ingredients**Sodium hydroxide**

| | |
|--|-----------------------|
| CAS No. | 1310-73-2 |
| EINECS no. | 215-185-5 |
| Registration no. | 01-2119457892-27-XXXX |
| Concentration | 2 - 5 % |
| Classification (Regulation (EC) No. 1272/2008) | |
| | Skin Corr. 1A H314 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | |
|---------------|------|------------|
| Eye Irrit. 2 | H319 | >= 0.5 < 2 |
| Skin Corr. 1A | H314 | >= 5 |
| Skin Corr. 1B | H314 | >= 2 < 5 |
| Skin Irrit. 2 | H315 | >= 0.5 < 2 |

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. If necessary, give oxygen. Heat. In the event of symptoms take medical treatment.

After skin contact

Wash immediately with plenty of water for several minutes. Take medical treatment.

After eye contact

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

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Drink water in small gulps. Do not induce vomiting. Summon a doctor immediately.

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

Chemical burn, Coughing, Shortness of breath

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

Extinguishing measures to suit surroundings, Carbon dioxide, Water spray jet, Extinguish greater fire

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with water spray or alcohol-resistant foam. Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Avoid contact with eyes and skin. Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Dilute with lot of water. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). Neutralize. When picked up, treat material as prescribed under Section 13 "Disposal". Provide adequate ventilation.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. 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

Handle and open container with care.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 5 - 25 °C

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Do not use aluminium containers. Do not use zinc containers.

Hints on storage assembly

Do not store together with foodstuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Sodium hydroxide

| | | |
|---------------------------|------|-------------------|
| List | SUVA | |
| Type | MAK | |
| Value | 2 | mg/m ³ |
| Short term exposure limit | 2 | mg/m ³ |

Pregnancy group: S; Status: 2017; Remarks: SSc; Haut, OAWKT & AugeKT; NIOSH, OSHA

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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 before breaks and after work. Avoid contact with skin and eyes.

Respiratory protection

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

Hand protection

Protective gloves

Appropriate Material nitrile rubber - NBR

Material thickness \geq 0.11 mm

Eye protection

Tightly fitting safety glasses

Body protection

Acid-resistant protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid

Colour colourless

Odour odourless

Odour threshold

Remarks not determined

pH value

Value to 14
Temperature 20 °C

Melting point

Value to 7 °C

Initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value °C
Remarks Not applicable

Flammability (solid, gas)

Not applicable

Vapour pressure

Remarks Not applicable

Density

Value appr. 1 g/ml

Solubility in water

Remarks Completely miscible

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks No data available

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Decomposition temperature

Remarks not determined

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

Risk of ignition or formation of inflammable gases or vapours with: Reactions with metals, with evolution of hydrogen. Explosive, Violent reaction with organic compounds like wood, paper, grease.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Reaction with ammonium compounds, cyanide, Reactions with combustible substances. Magnesium, combustible substances, Phenols, Reactions with metals in powder form. Reactions with acids.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

| | |
|---------------------|------------------|
| Reference substance | Sodium hydroxide |
| Species | rat |
| LD50 | 2000 mg/kg |

Acute dermal toxicity

Remarks Strong corrosive action on the skin and mucous membrane.

Serious eye damage/irritation

Remarks strongly corrosive
Remarks Influence of the product with the eyes can lead to blindness.

Sensitization

Remarks None

Mutagenicity

evaluation No experimental information on genotoxicity in vitro available.

Reproductive toxicity

Remarks Not documented.

Carcinogenicity

Remarks Not documented.

Other information

Causes burns.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

| | |
|----------------------|--|
| Reference substance | Sodium hydroxide |
| Species | rainbow trout (<i>Oncorhynchus mykiss</i>) |
| LC50 | 96 to 45 mg/l |
| Duration of exposure | 96 h |

Daphnia toxicity

| | |
|---------------------|------------------|
| Reference substance | Sodium hydroxide |
| Species | Daphnia magna |
| EC50 | to 76 mg/l |

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Duration of exposure 24 h

12.2. Persistence and degradability**General information**

Not applicable

12.3. Bioaccumulative potential**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

For this subsection there is no ecotoxicological data available on the product as such.

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

Not applicable

12.6. Other adverse effects**General information**

Harmful to aquatic life.

General information / ecology

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**

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

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| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|----------------------------------|---|--|---|
| Tunnel restriction code | E | | |
| 14.1. UN number | 1824 | 1824 | 1824 |
| 14.2. UN proper shipping name | SODIUM HYDROXIDE SOLUTION | SODIUM HYDROXIDE SOLUTION | SODIUM HYDROXIDE SOLUTION |
| 14.3. Transport hazard class(es) | 8 | 8 | 8 |
| Label |  |  |  |
| 14.4. Packing group | II | II | II |
| Limited Quantity | 1 I | | |
| Transport category | 2 | | |

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 3

Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Skin Corr. 1A Skin corrosion, Category 1A

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.