

Kalksteinlöser (1 Liter)

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

1.1. Product identifier

Trade name

Kalksteinlöser (1 Liter)

Article No.

9940200

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

Relevant identified uses

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites.

1.3. Details of the supplier of the safety data sheet

Supplier

JULABO GmbH

Address

Gerhard-Juchheim-Straße 1

77960 Seelbach

Germany

Telephone

+49(0)782351-180

Email

service.de@julabo.com

Web site

www.julabo.com

1.4. Emergency telephone number

+49(0)879-51 19240 (24h)

Available outside office hours

No

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Skin irritation, hazard category 2

Eye irritation, hazard category 2

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Hazard statements

H315, H319

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

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

P302 + P352 IF ON SKIN: Wash with plenty of water/IF ON SKIN: Wash with plenty of soap and water..

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

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-pharse M factor acute M factor chronic	Note
sulphamidic acid; sulphamic acid; sulfamic acid	5329-14-6 226-218-8 01-2119488633-28 016-026-00-0	≥10 - <25%	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3	H315, H319, H412 - -	-
-	68002-61-9 232-447-5 01-2119970170-45 -	>1 - <2.5%	Acute Tox. 3 - dermal, Skin Corr. 1A, Aquatic Acute 1, Aquatic Chronic 1	H302, H311, H314, H400, H410 - -	-
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0 200-661-7 01-2119457558-25 603-117-00-0	>1 - <2.5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcosis	H225, H319, H336 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16. This product does not contain any substances of very high concern (REACH Regulation (EC= No 1907/2006, Article 57).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Contact physician if discomfort continues.

Skin contact

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Contact physician if irritation continues.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

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

No further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

In case of fire: Use alcohol resistant foam, carbon dioxide, dry powder or water fog to extinguish.

Unsuitable extinguishing media

Water full jet

5.2. Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Self-contained breathing apparatus with full facepiece.

Other

Fire residues and contaminated water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear necessary protective equipment. Keep public away from danger area.

6.2. Environmental precautions

Ventilate well. Dilute with copious amounts of water. Inform Authorities if large amounts are involved.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13.

6.4. Reference to other sections

7.1. Precautions for safe handling For personal protection, see section 8. For waste disposal, see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Store in accordance with national regulations.

D07.261188640

7.3. Specific end use(s)

No further relevant information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Amidosulfonsäure (5329-14-6/-)	DNEL	Chronic (long term) Inhalation	70.5 mg/m ³	Workers	Systemic
Amidosulfonsäure (5329-14-6/-)	DNEL	Chronic (long term) Inhalation	17.4 mg/m ³	Consumers	Systemic
Amidosulfonsäure (5329-14-6/-)	DNEL	Chronic (long term) Dermal	10 ng/kg bw/day	Workers	Systemic
Amidosulfonsäure (5329-14-6/-)	DNEL	Chronic (long term) Dermal	5 ng/kg bw/day	Consumers	Systemic
Amidosulfonsäure (5329-14-6/-)	DNEL	Chronic (long term) Oral	5 ng/kg bw/day	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Amidosulfonsäure (5329-14-6/-)	PNEC	Freshwater	1.8 mg/l
Amidosulfonsäure (5329-14-6/-)	PNEC	Marine water	0.18 mg/l

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Amidosulfonsäure (5329-14-6/-)	PNEC	Sewage Treatment Plant	20 mg/l
Amidosulfonsäure (5329-14-6/-)	PNEC	Soil	5 mg/kg dwt
Amidosulfonsäure (5329-14-6/-)	PNEC	Sediment (freshwater)	8.36 mg/kg dwt
Amidosulfonsäure (5329-14-6/-)	PNEC	Sediment (marine water)	0.84 mg/kg dwt

8.2. Exposure controls

Eye / face protection

Wear goggles/face shield.

Hand protection

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Other skin protection

Butyl rubber. Nitrile. Chloroprene rubber.

Respiratory protection

Respiratory protection not required.

Other

Keep away from food, drink and animal feeding stuffs. Change contaminated clothing. Wash hands before breaks and before smoking, eating or drinking. Avoid inhalation of vapours and aerosols and contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

light red

Odour

Characteristic.

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Odour threshold

Not determined.

Melting point / freezing point

Not determined.

Boiling point or initial boiling point and boiling range

100 °C

Flammability

Not applicable.

Lower and upper explosion limit

Not determined.

Flash point

No data available

Auto-ignition temperature

The product is non-combustible.

Decomposition temperature

Not determined.

pH

2

Method

(20°C)

Kinematic viscosity

Not determined.

Viscosity, dynamic

Not determined.

Solubility

Miscible with water.

Partition coefficient n-octanol/water

Not determined.

Vapour pressure

23 hPa

Method

(20°C)

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Density and/or relative density1.069 g/cm³**Method**

(20°C)

Relative vapour density

Not determined.

Particle characteristics

No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available

10.5. Incompatible materials

Strong oxidising agents. strong alkalis (bases)

10.6. Hazardous decomposition products

Thermal decomposition can produce various substances whose exact composition depends on the decomposition conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity**

Based on available data, the classification criteria are not met. ATE: Acute Toxicity (Oral LD50): 63.000 mg/kg (Ratte) Acute Toxicity (Dermal LD50): 26.400 mg/kg (Ratte)

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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Repeated dose toxicity

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

Reproductive toxicity

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

No further relevant information available

12.2. Persistence and degradability

Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

Bioaccumulative potential

No further relevant information available

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12.4. Mobility in soil

Mobility

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. D15.261183950

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

Not applicable.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Other adverse effects

No further relevant information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Disposal in accordance with official regulations

Packaging

Disposal in accordance with official regulations

Waste code	Waste description
06 01 06*	other acids

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

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14.3. Transport hazard class(es)

Label

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.4. Packing group

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.5. Environmental hazards

IMDG Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other

Additional information ADR-RID

Not subject to ADR.

Additional information IMDG

Not subject to the IMDG Code.

Additional information IATA (ICAO)

Not subject to IATA Regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Restrictions (Title VIII Regulation 1907/2006): 3

National regulations

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Changes to previous revision

Revision of all sections and change of layout

Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE - Acute Toxicity Estimate

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSR - Chemical Safety Report

DMEL - Derived Minimum Effect Level

DNEL - Derived No Effect Level

EC50 - Half Maximal Effective Concentration

ECHA - European Chemicals Agency

GHS - Globally Harmonized System

IATA - International Air Transport Association

IMDG - International Maritime Dangerous Goods

Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

LoW - List of Wastes

OEL - Occupational Exposure Limit

PBT - Persistent, Bioaccumulative and Toxic substance

PEC - Predicted Environmental Concentration

PNEC - Predicted No Effect Concentration(s)

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

SCBA - Self-Contained Breathing Apparatus

STOT - Specific Target Organ Toxicity

SVHC - Substances of Very High Concern

UFI - Unique Formula Identifier

vPvB - Very Persistent and Very Bioaccumulative

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Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3

Acute Tox. 3 - dermal - Acute toxicity, dermal, hazard category 3

Skin Corr. 1A - Skin corrosion, hazard category 1A

Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1

Flam. Liq. 2 - Flammable liquids, hazard category 2

STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.