

Safety Data Sheet

Potassium Chloride Solution (0.075M)

According to Regulation (EC) No. 1907/2006 (REACH)

Date of compilation 04.05.2023

Revision date 04.05.2023

Version 002/05.2023

Replaces version of 001.05.2023 (Version 001/05.2023)

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifiers

Product name: Potassium Chloride Solution (0.075M)

Catalogue No: KCL-B

REACH No.:

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

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH
Auf der Lette 13 A
35085 Ebsdorfergrund
Germany

Phone: +49 6424 94464 0

E-Mail: info@capricorn-scientific.com

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Section 3 Composition/Information on Ingredients

Mixtures

No components need to be disclosed according to the applicable regulations.

Formula	Molecular weight	CAS-No. EC-No.
KCL	74.55 g/mol	7447-40-7 231-211-8

Section 4 First Aid Measures

Description of first aid measures

If inhaled	Move person into fresh air. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with plenty of water. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Nature of decomposition products are not known.

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Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas.
Refer to protective measures listed in sections 7 and 8.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Section 7 Handling and Storage

Precautions for safe handling

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class

Storage class (TRGS 510): 12: Non-combustible liquids.

Specific end use(s)

Laboratory chemicals. Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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Section 8 Exposure Controls/Personal Protection

Control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Personal protective equipment

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves. The selected protective gloves must comply with the specifications of EU Directive 89/686/EEC and the derived standards EN 374. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Odor	No data available.
pH	No data available.
Melting point/range	No data available.
Initial boiling point and range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Upper/lower flammability or exposure limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Water solubility	No data available.
Solubility other solvents	No data available.

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Partition coefficient: n.-octanol/water	No data available.
Autoignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity (kinematic/dynamic)	No data available.
Explosive properties	Not classified as explosive.
Oxidizing properties	No data available.

Other safety information No data available.

Section 10 Stability and Reactivity

Reactivity

No data available.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Hazardous decomposition products

In the event of fire: see section 5.

Section 11 Toxicological Information

Information on toxicological effects

Mixture

Acute toxicity

Oral: No data available.

Inhalation: No data available.

Dermal: No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

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Section 16

Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.