

Potassium Chloride Solution (0.075M)

According to Regulati Date of compilation Revision date Version Replaces version of	n (EC) No. 1907/2006 (REACH) 04.05.2023 04.05.2023 002/05.2023 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 u Identified uses:	s of the substance or mixture and uses advised against Laboratory chemicals, Manufacture of substances		
Details of the Supplie Company:	of the Safety Data Sheet Capricorn Scientific GmbH Auf der Lette 13 A 35085 Ebsdorfergrund		
Phone: E-Mail:	Germany +49 6424 94464 0 <u>info@capricorn-scientific.com</u>		
Emergency Telephon Emergency Phone:	Number 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.		
lfswallowed	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

Vapour pressureNo dataVapour densityNo dataRelative densityNo dataWater solubilityNo dataSolubility other solventsNo data	
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> Partition coefficient: n.-octanol/water Autoignition temperature Decomposition temperature Viscosity (kinematic/dynamic) Explosive properties Oxidizing properties

No data available. No data available. No data available. No data available. Not classified as explosive. 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: Inhalation: Dermal:

No data available. No data available. No data available.

Skin corrosion/irritation Serious eye damage/irritation No data available. No data available.



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Respiratory or sensitization inhaled.

May cause allergy or asthma symptoms or breathing difficulties if

Germ cell mutagenicityNo data available.CarcinogenicityNo data available.Reproductive toxicityNo data available.Specific target organ toxicity - single exposureNo data available.Specific target organ toxicity - repeated exposureNo data available.Aspiration HazardNo data available.

Section 12

Ecological Information

Toxicity (Mixture) Persistence and degradability Bioaccumulative potential Mobility in soil Endocrine disrupting properties Other adverse effects No data available. No data available.

Results of PBT and vPvB assessment

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.

Section 13

Disposal Considerations

Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14	Transport Information		
UN-number ADR/RID: -	IMDG: -	IATA: -	



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UN proper shipping nameADR/RID:Not dangerous goodsIMDG:Not dangerous goodsIATA:Not dangerous goods			
Transport hazard class(ADR/RID:-	es) IMDG: -	IATA: -	
Packaging group ADR/RID:-	IMDG: -	IATA: -	
Environmental hazards ADR/RID: no	IMDG Marine poll	utant: no IATA: no	
Special precautions for No data available.	Iser		

Further information Not classified as dangerous in the meaning of transport regulations.

Section 15

Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors. Restrictions on the marketing and use of certain dangerous substances. Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Chemical Safety Assessment

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.