

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision date 10.01.2025

Print date 10.01.2025

Version 2

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

1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against ZC.600404

Generic name Potassium Hydrogen Carbonate, Bp, Ph Eur, Usp (for Table water)

REACH No. There is not registration number

CAS No. 298-14-6

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

Relevant identified uses Extra Pure Food Grade, For table water, laboratory & industrial uses.

Use of the substance / mixture

Uses advised against

Details of the supplier of the safety data sheet

Name Zinckon Universal GmbH

Street Akademiestraße 38-40, 76133 Karlsruhe, Germany

Telephone +4917682176530

E-mail info@zinckon.com

Company Representative Mr. Krish tofer

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-, H- and EUH-phrases: see section 16.

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2.2 Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]***Hazard pictograms**Signal word*

Danger

*Hazard Statements**Precautionary Statements*

Prevention

Response

Storage

2.3 Other hazards**SECTION 3: Composition/information on ingredients****Substances**

Formula

KHCO₃

EC No.

206-059-0

Molar mass

100,12 g/mol

CharacteristicCAS NoEC NoConcentrationClassificationPotasyum hidrojen
karbonat

298-14-6

206-059-0

>=100

Food Grade, FCC

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures**

General information

Following inhalation

Provide fresh air..

Following skin contact

Subsequently wash off with..

Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist..

Following ingestion

Do not Give nothing to eat or drink.. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention..

Most important symptoms and effects, both acute and delayed**Indication of any immediate medical attention and special treatment needed**

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No information available..

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment..

Unsuitable extinguishing media

Water spray jet.

5.2 Special hazards arising from the substance or mixture

not flammable..

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing..

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water..

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment..

6.2 Environmental precautions

Do not allow to enter into surface water or drains..

6.3 Methods and material for containment and cleaning up

Take up carefully when dry.. Clear contaminated areas thoroughly..

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately..

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Observe label precautions.

Measures to prevent fire

Advices on general occupational hygiene

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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7.3 Specific end uses

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

No information

8.2 Exposure controls

Appropriate engineering controls

See section 7. No additional measures necessary..

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection

Full contact

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

Splash contact :

Glove material : Nitrile rubber

Glove thickness : 0,11 mm

Break through time : >480 minute

The protective gloves to be used must comply with the specifica

Other skin protection

Protective chlothing

Respiratory protection

Required when dusts are generated

Recommended filter type : Filter P1

Environmental exposure controls

See section 7. Additional information about obligations under the common European environment protection regulations:..

SECTION 9: Physical and chemical Properties

Information on basic physical and chemical properties

Physical state	Solid
Colour	white
Odour	odourless
Odour threshold	There is no information
pH value	8,0-8,6 50 g/l 20 °C
Melting point/freezing point	
Freezing point	
Initial boiling point and boiling range	

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Flash point

Evaporation rate

Flammability (solid, gas) °C

Upper/lower flammability or
explosive limitsUpper/lower flammability or
explosive limits

Vapour pressure

Vapour density

Density

Relative density

Water solubility (g/l) °C

Fat solubility (g/l) °C

Partition coefficient:
n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Kinematic viscosity

Dynamic viscosity

Explosive properties

Oxidising properties

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

Section 10.3 to see.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures..

10.3 Possibility of hazardous reactions

Violent reactions possible with:

Strong acids

Possible formation of:
carbon dioxide**10.4 Conditions to avoid**

Not information.

10.5 Incompatible materials

Not information..

10.6 Hazardous decomposition products

No known hazardous decomposition products..

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD50 rat : 2000 mg/kg

Acute inhalation toxicity

No information

Acute dermal toxicity

No information

Skin irritation

No information

Eye irritation :

No information

11.2 Additional information

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

No information

12.3 Bioaccumulative potential

No information

12.4 Mobility in soil

No information

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB

12.6 Other adverse effects

Discharge into environment must be avoided

SECTION 13: Disposal considerations

Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. It was to proceed as their products uncleaned packaging.

SECTION 14: Transport information

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Land transport (ADR/RID)**UN number** Not dangerous**UN proper shipping name****Transport hazard class(es)****Packing group****Environmental hazards****Special precautions for****Tunnel restriction code****Inland waterway transport (ADN)****Limited quantity (LQ)** Not dangerous**Special Provisions****Category****Air transport (ICAO-TI / IATA-DGR)****UN number** Not dangerous**UN proper shipping name****Transport hazard class(es)****Packing group****Environmental hazards****Special precautions for****Sea transport (IMDG)****UN number** Not dangerous**UN proper shipping name****Transport hazard class(es)****Packing group****Environmental hazards****Special precautions for****SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information

Chemical Safety Assessment

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SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

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