

Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau

Item no. 101140

Material Safety Data Sheet

1. Product & Company Identification:

Product:	Potassium chloride GR for analysis
Manufacturer:	Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau
Telephone:	+49 (0) 9604 / 40 - 8988
Date of issue:	08.09.2014

Use of the substance/preparation: Reagent for analysis
Chemical production

2. Composition / Information on Ingredients:

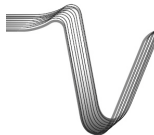
CAS-No.: 7447-40-7
M: 74.55 g/mol
EC-No.: 231-211-8
Formula Hill: ClK
Chemical formula: KCl

3. Hazards Identification:

No hazardous product as specified in Directive 67/548/EEC.

4. First Aid Measures:

After inhalation: Fresh air.
After skin contact: Wash off under running water.
After eye contact: Rinse out with water.
After swallowing (large amounts): Consult doctor if feeling unwell.



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5. Fire-Fighting Measures:

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood.

Special risks:

Non-combustible. Ambient fire may liberate hazardous vapours. The following may develop in event of fire: hydrochloric acid.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:

Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental Release Measures:

Person-related precautionary measures:

Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures:

Do not allow to enter sewerage system.

Procedures for cleaning / absorption:

Take up dry. Forward for disposal. Clean up affected area.

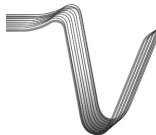
7. Handling and storage

Handling:

No further requirements.

Storage:

Tightly closed. Dry. Storage temperature: no restrictions.



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8. Exposure Controls / Personal Protection:

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection:

Required when dusts are generated.

Eye protection:

Required

Hand protection:

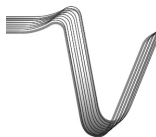
- In full contact: Glove material: Nitrile rubber
 Layer thickness: 0.11 mm
 Breakthrough time: > 480 Min.
- In splash contact: Glove material: nitrile rubber
 Layer thickness: 0.11 mm
 Breakthrough time: > 480 Min.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374, for example KCL 740 Dermatril (full contact), 740 Dermatril (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Industrial hygiene:

Wash hands after working with substance.



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9. Physical and Chemical Properties:

Form:	solid
Colour:	white
Odour:	odourless
pH value:	at 50 g/l H ₂ O (25 °C): 5.5 - 8.0
Melting point:	773 °C
Boiling point:	(1013 hPa) 1413 °C
Sublimation point:	1500 °C
Ignition temperature:	not combustible
Flash point	not applicable
Explosion limits:	lower not applicable upper not applicable
Vapour pressure:	low
Density:	(20 °C): 1.98 g/cm ³
Bulk density:	~ 1000 kg/m ³
Solubility in water:	(20 °C) 347 g/l

10. Stability and Reactivity:

Conditions to be avoided

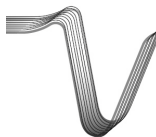
no information available

Substances to be avoided

no information available

Hazardous decomposition products

in the event of fire: See chapter 5.



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11. Toxicological Information:

Acute toxicity

LD50 (oral, rat): 2600 mg/kg.

Specific symptoms in animal studies: Eye irritation test (rabbit): Slight irritations.

Subacute to chronic toxicity

Mutagenicity (mammal cell test): chromosome aberration positive. (in vitro)

Bacterial mutagenicity: Ames test: negative.

Further toxicological information

After eye contact: Slight irritations.

After swallowing of large amounts: Nausea, vomiting, cardiac dysrhythmia, cardiovascular failure.

Further data

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

12. Ecological Information:

Biologic degradation:

Methods for the determination of biodegradability are not applicable to inorganic substances.

Ecotoxic effects:

Biological effects:

Fish toxicity: *Gambusia affinis* LC50: 920 mg/l /96 h.

Daphnia toxicity: *Daphnia magna* EC50: 825 mg/l /48 h.

Algeal toxicity: *Desmodesmus subspicatus* IC50: 2500 mg/l /72 h.

Further ecologic data:

No ecological problems are to be expected when the product is handled and used with due care and attention.

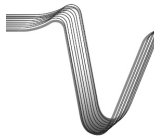
13. Disposal Considerations:

Product:

Chemicals must be disposed of in compliance with the respective national regulations.

Packaging:

Our product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.



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14. Transport Information:

Not subject to transport regulations.

15. Regulatory Information:

Labelling according to EC Directives

Symbol: ---

R-phrases: ---

S-phrases: ---

16. Other Information:

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product