SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-06-05

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Potassium Chloride
Article number: 16-0010

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

Identified uses: Laboratory chemical; manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as not hazardous substance

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Labelled as not hazardous substance

Signal word: -
Hazard statement(s): -
Precautionary statement(s): -

Complementary hazard information:
No further information

2.3 Other hazards

No data available

3. Composition/information on ingredients

3.1 Substances

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Potassium Chloride	7447-40-7	231-211-8	-	≤100 %	Not classified

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4. First aid measures

4.1 Description of first aid measures

If swallowed	Wash mouth with water; if person is conscious, give small quantities of water to drink; DO NOT induce vomiting (unless directed to do so by medical personnel); get medical attention if symptoms occur; if person is not conscious, place him/her in recovery position and get medical attention immediately
If inhaled	Move to fresh air; get medical attention if symptoms occur; if person is not breathing, give artificial respiration and get medical attention
In case of skin contact	Wash with soap and plenty of water; remove contaminated clothes and shoes immediately; get medical attention if symptoms occur
In case of eye contact	Wash eyes with plenty of clean water for several minutes; get medical attention if irritation occurs/persists
General advice	Show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide

5.2 Special hazards arising from the substance or mixture

Hydrogen chloride, potassium oxides

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

5.4 Further information

No further information

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable gloves and boots

6.2 Environmental precautions

Do not let product enter drains, sewers, waterways or soil; inform relevant authorities if the product has caused environmental pollution.

6.3 Methods and material for containment and cleaning up

Sweep up material and place it in a designated, labelled waste container; keep container closed for disposal

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid dust formation; assure adequate ventilation where dust is formed; avoid contact with skin and eyes; wash hands before and after use

7.2 Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sun light; store in a dry, cool and well-ventilated area

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection: wear safety goggles (EN 166)

Skin protection: wear proper gloves; gloves must be inspected prior to use

Body Protection: wear lab coat or other impervious clothes

Respiratory protection: use dust respirator if necessary

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	white, crystalline
Odour	odourless
Odour threshold	no data available
pH	5.5-8.0 at 50g/l at 25° C
Melting point/ freezing point	melting point: 770° C
Initial boiling point and boiling range	1420° C
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1.98 g/cm^3
Water solubility	355 g/l at 25° C
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire: hydrogen chloride, potassium oxides

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

No data available

Skin corrosion/irritation

Skin: rabbit – not irritating

Serious eye damage/ eye irritation

Eye: rabbit - irritating

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

May cause eye irritation

12. Ecological information

12.1 Toxicity

Toxicity to fish: LC50 – Pimephales promelas (fatheaded minnow) – 880 mg/l – 96h

Toxicity to Daphnia and other aquatic vertebrates: EC50 – Daphnia magna (Water flea) – 83 mg/l – 48h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number

ADR-RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR-RID:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods

14.3 Transport hazard class(es)

ADR-RID: - IMDG: - IATA: -

14.4 Packaging group

ADR-RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR-RID:	no
IMDG, water pollutant:	no
IATA:	no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15. Regulatory information

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

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

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.
Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

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