

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-04-29

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

1.1 Product identifier

Product name: Potassium Dihydrogen Phosphate
Article number: 16-0011

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

Identified uses: Laboratory chemical

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

2.2 Label elements

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

Labelled as not hazardous

Signal word: -

Hazard statement(s): -

Precautionary statement(s): -

Complementary hazard information:

No further information

2.3 Other hazards

No further information

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 Dihydrogen Phosphate	7778-77-0	231-913-40	-	100%	Not classified

4. First aid measures

4.1 Description of first aid measures

If swallowed	Rinse mouth with water; get medical attention if symptoms develop
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention if symptoms develop
In case of skin contact	Wash skin thoroughly with mild soap and water; get medical attention if symptoms develop
In case of eye contact	Remove contact lenses, if present and easy-to-do; wash eyes with plenty of water for at least 15 min; get medical attention if irritation persists
General advice	Show this datasheet to the doctor of 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: Use dry chemical powder; for large fire use water spray, fog or alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture

Oxides of phosphorus, oxides of sodium

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting, rubber boots and thick rubber gloves

5.4 Further information

No further information

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; wear safety goggles, proper gloves, lab coat and boots

6.2 Environmental precautions

Prevent entry to sewers, soils and natural water

6.3 Methods and material for containment and cleaning up

Collect spilled material when it is dry; keep in a suitable, closed container for disposal; rinse with plenty of water

6.4 Reference to other sections

For disposal: See section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing in dust; wash hands before and after use; wash contaminated clothes before re-use; minimize contact with skin and eyes

7.2 Conditions for safe storage, including any incompatibilities

Store in suitable and sealed container in a dry, cool place

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 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

Skin protection: Use rubber gloves

Body Protection: Wear lab coat or other protective clothes

Respiratory protection: Use suitable respiration apparatus if necessary

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	white powder
Odour	no data available
Odour threshold	no data available
pH	no data available
Melting point/ freezing point	melting point: 253° C
Initial boiling point and boiling range	no data available
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	2.338 g/cm ³ at 20° C
Water solubility	208 g/l at 20° 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 further information

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

Moisture; extremely high temperatures

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire: Oxides of phosphorus, oxides of sodium

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

No data available

Skin corrosion/irritation

Skin: Rabbit

Result: not irritating – 24h

Serious eye damage/ eye irritation

Eye: Rabbit

Result: mild eye irritation – 24h

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 mild eye irritation

12. Ecological information

12.1 Toxicity

No data available

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 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

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 other use