



Safety data sheet
according to 1907/2006/EC, Article 31

Printing 04.08.2020

version number 3

Revision: 04.08.2020

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

***1.1 Product identifier**

***Trade name:** Ammonium phosphate monobasic 25g

***Article number:** 045527

***CAS Number:**

7722-76-1

***EC number:**

231-764-5

***Registration number**

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

No further relevant information available.

***Application of the substance / the mixture** Laboratory Chemicals

***1.3 Details of the supplier of the safety data sheet**

***Manufacturer/Supplier:** See Below

***Manufacturer:**

Reagecon Diagnostics Ltd.
Shannon Free Zone,
Shannon,
Co. Clare,
Ireland.

Tel +353 61 472622

Fax +353 61 472642

***Supplier:**

BÜCHI Labortechnik AG

Meierseggstrasse 40

CH - 9230 Flawil

Telephone: +41 71 394 63 63

FAX: +41 71 394 65 65

Email: schweiz@buchi.com

Internet: www.buchi.com

***Further information obtainable by contacting:** sds@reagecon.ie

***1.4 Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC

For Ireland call +(353)-19014670

For Outside Ireland call +1 703-741-5970 / 1-800-424-9300 CCN849800

SECTION 2: Hazards identification

***2.1 Classification of the substance or mixture**

***Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

***2.2 Label elements**

***Labelling according to Regulation (EC) No 1272/2008** Void

***Hazard pictograms** Void

***Signal word** Void

***Hazard statements** Void

***2.3 Other hazards**

***Results of PBT and vPvB assessment**

***PBT:** Not applicable.

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*vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

*3.1 Chemical characterisation: Substances

*CAS No. Description

7722-76-1 ammonium dihydrogenorthophosphate

*Identification number(s)

*EC number: 231-764-5

SECTION 4: First aid measures

*4.1 Description of first aid measures

*General information: No special measures required.

*After inhalation:

Provide fresh air, warmth and rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Obtain medical attention if any discomfort continues.

*After skin contact: Generally the product does not irritate the skin.

*After eye contact:

Promptly wash eyes with plenty of water for up to 15 minutes. Open eyes wide apart and rinse well to remove any contact lenses. Do not remove contact lenses by hand. Continue to rinse. Get medical attention if symptoms persist.

*After swallowing: If symptoms persist consult doctor.

*4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

*4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

*5.1 Extinguishing media

*Suitable extinguishing agents:

Indications shall be given whether any extinguishing media are inappropriate for a particular situation involving the substance or mixture

Use fire extinguishing methods suitable to surrounding conditions.

*5.2 Special hazards arising from the substance or mixture No further relevant information available.

*5.3 Advice for firefighters

*Protective equipment:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers

SECTION 6: Accidental release measures

*6.1 Personal precautions, protective equipment and emergency procedures Not required.

*6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

*6.3 Methods and material for containment and cleaning up: Pick up mechanically.

*6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

- *7.1 **Precautions for safe handling** No special measures required.
- ***Information about fire - and explosion protection:** No special measures required.
- *7.2 **Conditions for safe storage, including any incompatibilities**
- ***Storage:**
- ***Requirements to be met by storerooms and receptacles:** No special requirements.
- ***Information about storage in one common storage facility:** Not required.
- ***Further information about storage conditions:** None.
- *7.3 **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- ***Engineering Controls:** No further data; see item 7.
- *8.1 **Control parameters**
- ***Ingredients with limit values that require monitoring at the workplace:** Not required.
- ***Additional information:** The lists valid during the making were used as basis.
- *8.2 **Exposure controls**
- ***Personal protective equipment:**
- ***General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- ***Respiratory protection:** Not required.
- ***Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Always ensure that gloves are inspected before use.
Selection of protective gloves must include consideration of the penetration times along with rates of diffusion and degradation. The selected glove should comply with the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it.
- ***Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- ***Penetration time of glove material**
In the absence of data above, the exact break through time has to be sourced from the manufacturer of the protective gloves and has to be observed.
- ***Eye protection:** Not required.

SECTION 9: Physical and chemical properties

*9.1 Information on basic physical and chemical properties

*General Information

*Appearance:

* Form:	Crystalline
* Colour:	Colourless
* Odour:	Characteristic
* Odour threshold:	Not determined.

* pH-value:	7.8-8.2
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*Change in condition

* Melting point/freezing point:	190 °C
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Initial boiling point and boiling range: Undetermined.	
*Flash point:	Not applicable.
*Flammability (solid, gas):	Product is not flammable.
*Decomposition temperature:	Not determined.
*Auto-ignition temperature:	Not determined.
*Explosive properties:	Product does not present an explosion hazard.
*Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
*Vapour pressure:	Not applicable.
*Density at 20 °C:	1.1 g/cm ³
*Bulk density:	1,100 kg/m ³
*Relative density	Not determined.
*Vapour density	Not applicable.
*Evaporation rate	Not applicable.
*Solubility/ miscibility with water at 20 °C:	370 g/l
*Partition coefficient: n-octanol/water:	Not determined.
*Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
*9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity No further relevant information available.
- *10.2 Chemical stability
- *Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- *10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- *11.1 Information on toxicological effects
- *Acute toxicity Based on available data, the classification criteria are not met.

*LD/LC50 values relevant for classification:

CAS: 7722-76-1 ammonium dihydrogenorthophosphate

Oral	LD50	5,570 mg/kg (rat)
Dermal	LD50	>7,940 mg/kg (rabbit)

- *Primary irritant effect:
- *Skin corrosion/irritation Based on available data, the classification criteria are not met.
- *Serious eye damage/irritation Based on available data, the classification criteria are not met.
- *Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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- ***CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- ***Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- ***Carcinogenicity** Based on available data, the classification criteria are not met.
- ***Reproductive toxicity** Based on available data, the classification criteria are not met.
- ***STOT-single exposure** Based on available data, the classification criteria are not met.
- ***STOT-repeated exposure** Based on available data, the classification criteria are not met.
- ***Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- ***12.1 Toxicity**
- ***Aquatic toxicity:** No further relevant information available.
- ***12.2 Persistence and degradability** No further relevant information available.
- ***12.3 Bioaccumulative potential** No further relevant information available.
- ***12.4 Mobility in soil** No further relevant information available.
- ***Additional ecological information:**
- ***General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- ***12.5 Results of PBT and vPvB assessment**
- ***PBT:** Not applicable.
- ***vPvB:** Not applicable.
- ***12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- ***13.1 Waste treatment methods**
- ***Recommendation** Smaller quantities can be disposed of with household waste.
- ***Uncleaned packaging:**
- ***Recommendation:** Disposal must be made according to official regulations.
- ***Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|--|-----------------|
| * 14.1 UN-Number | |
| * ADR, IMDG, IATA | Void |
| * 14.2 UN proper shipping name | |
| * ADR | Void |
| | Void |
| * IMDG, IATA | Void |
| * 14.3 Transport hazard class(es) | |
| * ADR, IMDG, IATA | |
| * Class | Void |
| * 14.4 Packing group | |
| * ADR, IMDG, IATA | Void |
| * 14.5 Environmental hazards: | Not applicable. |
| * 14.6 Special precautions for user | Not applicable. |

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***14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code** Not applicable.

***UN "Model Regulation":** Void

SECTION 15: Regulatory information

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

***Directive 2012/18/EU**

***Named dangerous substances - ANNEX I** Substance is not listed.

***REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 65

***National regulations:**

***Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

***15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Department issuing SDS:** Health and Safety

***Contact:** sds@reagecon.ie

***Abbreviations and acronyms:**

REACH (Registration, Evaluation, Authorisation and restriction of Chemicals)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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