

1: Identification of substance / mixture

1. Product Identifier

Substance

Product Name **POTASSIUM PHOSPHATE MONOBASIC**
 Product Code P0574
 CAS Number 7778-77-0
 Other Names
 IUPAC
 MFCN Number
 EC/EINECS
 REACH Number

2. Relevant identified uses of the substance or mixture and uses advised against

For Research and Laboratory use only

3. Details of the supplier of the safety data sheet

Melford Laboratories Ltd
 Bildeston Road, Chelsworth
 Ipswich
 Suffolk
 IP7 7LE
 UK



Telephone: 01449 741178
 Fax number: 01449 741217
 Email: support@melford.co.uk

4. Emergency telephone number

+44 (0)1449 741178

2. Hazards Identification

1. Classification of the substance or mixture

H315	Skin Irrit. 2	R38, R36/38, R36/37/38, R37/38
H319	Eye Irrit. 2	R36, R36/37, R36/38, R36/37/38
H335	STOT SE 3a	R37, R36/37, R36/37/38, R37/38

* The risk codes have been generated using Annex VII of directive 67/548/EEC. Risk code combinations are not included.

2. Label elements

Signal Word **Warning**

Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Phrases

P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients**1. Substances**

POTASSIUM PHOSPHATE MONOBASIC

Assay:100% CAS Number :7778-77-0

2. Mixtures

Not Relevant

4. First Aid Measures**1. Description of first aid measures**

<i>Skin Contact</i>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. Wash immediately with plenty of soap and water.
<i>Eye Contact</i>	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse opened eye for several minutes under running water.
<i>Ingestion</i>	Wash out mouth with water. Transfer to hospital as soon as possible.
<i>Inhalation</i>	P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

2. Most important symptoms and effects

There may be irritation and redness.
There may be soreness and redness of the mouth and throat.

3. Indication of any immediate medical attention

No additional measures required

5. Firefighting measures**1. Extinguishing Media**

Suitable Carbon dioxide.
Dry chemical powder.
Alcohol resistant foam.
Alcohol or polymer foam.

Unsuitable None

2. Special Hazards arising from the substance or mixture

NA

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.

6. Accidental Release Measures**1. Personal Precautions**

Mark out the contaminated area with signs and prevent access to unauthorised personnel.

2.Environmental Precautions

Do not discharge into drains or rivers.

3.Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7.Handling and Storage

1.Personnal Precautions

Safe Handling Ensure there is sufficient ventilation of the area.

*Protection against
explosions and fires* No special requirements

2.Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store in cool, well ventilated area.

Storage Controls No special requirements

Maintaining Integrity P233: Keep container tightly closed.
Store away from oxidising agents

Other advice no further information available

3.Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8.Exposure Controls/Personal Protection

1. Control Parameters

Not Applicable

2.Exposure Controls

*General protective and
hygiene measures* P280: Wear protective gloves/protective clothing/eye protection/face protection.
Avoid contact with skin and eyes

Engineering measures Ensure there is sufficient ventilation of the area.

Eye / Face Protection Safety Glasses.

Hand protection Protective gloves.

Respiratory protection P260: Do not breathe dust/fume/gas/mist/vapours/spray.
Respiratory protective device with particle filter.

Skin protection Protective clothing.

*Other personal protection
advice* no data

9.Physical and Chemical Properties

1. Physical and Chemical Properties

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Revision: 1.02
Modified: 03/09/2012

Appearance	White Powder
Odour	Not Applicable
Odour threshold	Not Applicable
PH	Not Applicable
Melting point / Freezing point	253°C
Initial boiling point and boiling range	400°C
Flash point	Not Applicable
Evaporation rate	Not Applicable
Flammability(solid,gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Vapour pressure	Not Applicable
Vapour density	Not Applicable
Relative density	2.34
Solubility(ies):	Not Applicable
Partition coefficient: n-octanol/water	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidising properties	Not Applicable

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

no unusual reactivity

2. Stability

Stable under normal conditions.

3. Possibility of Hazardous Reactions

no hazardous reactions known

4. Conditions to Avoid

no specific conditions to avoid

5. Incompatible Materials

Oxidising agents.

6. Hazardous Decomposition Products

Phosphorus oxides may be produced

11. Toxicology information

1. Information

Acute Toxicity no data

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<i>Skin corrosion/irritation</i>	irritant for skin and mucous membranes
<i>Serious eye Damage/irritation</i>	irritant effect
<i>Respiratory or skin sensitisation</i>	No sensitizing effect known
<i>Germ Cell mutagenicity</i>	not known
<i>Carcinogenicity</i>	not known
<i>Reproductive toxicity</i>	not known
<i>STOT-single exposure</i>	not known
<i>STOT-repeated exposure</i>	not known
<i>Aspiration hazard</i>	not known

2.Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12.Ecological Information

1.Toxicity

not known

2.Persistence and degradability

not known

3.Bio-Accumulative Potential

not known

4.Mobility and Soil

not known

5.Results of PBT & vPvB assessment

not known

6.Other adverse effects

not known

13.Disposal Considerations

1.Waste Treatment Methods

Disposal Operations Consult state, local or national regulations for proper disposal.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health and environmental regulations**1. Safety, health and environmental regulations:**

product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information**1. Other Information:**

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)

RID: Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

2. Associated risk phrases according to european directive 67/548/EEC

R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.

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