



## pH in Drinking Water

### 1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

Product Name	pH in Drinking Water
Catalog/Product No	CRM-002
Brand	PQP
Application	For Laboratory use only, Quality Control Material in laboratories.
MSDS Issue Date	January 5, 2016
Company	<b>Pasargad Quality Pioneers Ltd.</b>
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Description** An Aqueous solution of Potassium dihydrogen phosphate and disodium hydrogen phosphate.

**Hazardous Components** NA

#### Components:

	CAS	EC NO	SYMBOL/Formula
Water	7732-18-5	231-791-2	H <sub>2</sub> O
Potassium dihydrogen phthalate	877-24-7	212-889-4	KH <sub>2</sub> PO <sub>4</sub>
Disodium hydrogen phosphate	7558-79-4	231-448-7	Na <sub>2</sub> HPO <sub>4</sub>

**3. HAZARDS IDENTIFICATION** Not classified in physical hazardous compounds.

### 4. FIRST AID MEASURES

<b>Eyes</b>	Flush eyes with water for at least 15 minutes.
<b>Skin</b>	Wash off with soap and plenty of water for at least 15 minutes.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Inhalation</b>	If breathed in, move person into fresh air. Rinse mouth with water. If not breathing, give artificial respiration. Consult a physician
<b>Delayed Symptoms</b>	the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>OTHER</b>	NA

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Fire And Explosion hazards

Oxides of phosphorus, Sodium oxides

Protective Measures

Do not enter confined spaces without proper protective equipment including respirator. Use water spray or fog to cool containers exposed to fire.

### 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Any spillage should be regarded as a potential fire risk.

Personal Precautions

Avoid breathing vapours, mist or gas..

Environmental Precautions

No special environmental precautions required.

Recovery

Keep in suitable, closed containers for disposal.

### 7. STORAGE AND HANDLING (IN NORMAL USE)

Storage

Store at 4±2°C temperature in suitably designed container and storage areas away from heat, ignition sources and open flames, in compliance with national and local regulations and codes of practice.

Ventilation

Ensure adequate ventilation.

Handling

Handle in accordance with good laboratory practices.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure Limits

None.

Engineering Measures

Work in a fume hood or use general or other local exhaust ventilation to meet Exposure Limits.

Personal Protective Equipment

Respiratory

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand

Impervious gloves of nitrile rubber or PVC gloves should be worn at all times when handling chemicals. Wash and dry hands. (EN374).

Eye

Use chemical goggles if possibility of eye contact. (EN166) An eye wash station should be readily available near areas of use.

OTHER

Coveralls.

### 9. PHYSICAL / CHEMICAL PROPERTIES

Appearance

Clear liquid

Odour

NA

Viscosity

NA

Boiling Point

100°C

Flash Point

NA

Density @ 15°C kg/m<sup>3</sup>

NA

Solubility in Water

NA

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pH	7.16 – 7.64 at 25 °C
Melting point	0 °C
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper/lower flammability	NA
Vapour pressure (mmHg)	17.5 (20 °C)
Vapour density	4,90 - (Air = 1.0)
Partition coefficient	NA
Autoignition temperature	NA
Decomposition temperature	NA
Explosive properties	NA
Oxidizing properties	NA

### 10. STABILITY AND REACTIVITY

Stability	Stable.
Conditions to Avoid	NA
Materials to Avoid	NA
Reactivity	NA
Hazardous Decomposition Products	NA

### 11. TOXICOLOGICAL INFORMATION

Acute Effects	NA
Eyes	Mild skin irritation
Skin	Mild eye irritation
Ingestion	May cause nausea, vomiting and diarrhea.
Inhalation	No data available; exposure may result in respiratory tract irritation.
Chronic Effects	NA

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Numerical Measures of Toxicity:

Reproductive Toxicity	NA.
Specific target organ toxicity(single exposure)	NA
Eyes	NA
Skin	NA
Ingestion	NA
Inhalation	NA

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### Signs and Symptoms of Exposure

the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 12. ECOLOGICAL INFORMATION

Mobility	NA
Persistence & Degradability	NA
BIO-Accumulation	NA
Aquatic Toxicity	NA

### 13. DISPOSAL CONSIDERATIONS

Dispose of via a licensed waste carrier in accordance with local/national regulations. Do not discharge into the public drainage system.

### 14. TRANSPORT INFORMATION (REGULATIONS)

#### DOT/IATA/IMDG:

Transport Classification	NA
UN Number	NA
Proper Shipping Name	NA
Packing Group	NA
Hazard Class	NA

### 15. REGULATORY INFORMATION (Supply & Labelling)

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

Supply Classification	Not Harmful for the environment.
Labelling Symbols	Not Harmful for the environment. .
Risk Phrases	R40 Limited evidence of carcinogen effect. R51/R53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R65 Harmful – may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
Safety Phrases	S2 Keep out of the reach of children. S20/S21 When using do not eat, drink or smoke. S24/S25 Avoid contact with skin and eyes. S36/S37 Wear suitable protective clothing and gloves. S61 Avoid release into the environment. Refer to special instructions/safety data sheets. S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### 16. OTHER INFORMATION

This product is intended for use as a QC material for laboratory use only and is not applicable for household uses.

NA: No available Data, Not established, not determined or not pertinent

The information given in this data sheet is presented as guidance only for the purpose of determining health, safety and environmental measures. No warranty or representation express or implied is made as to the accuracy of completeness of the data and information contained in this data sheet. It is the users responsibility to evaluate this product and its intended use and to ensure compliance with applicable laws and regulations.