

## SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking

Product Name Phthalate pH standard solution, pH 6.86  
Product Description pH7 standard solution Phthalate 100-7  
General Use Calibration for pH electrode  
Product Code 3200043637 (9003001700)

#### MANUFACTURER

Company Name HORIBA Ltd.,  
Division Water Quality Analysis  
Address 601-8510 2 Miyanohigashi, Kisshoin, Minami-ku, Kyoto 601-8510, Japan  
Emergency Phone number (24 hours) 81-75-313-8121

Date Feb. 13, 1998  
Revised Jul. 9, 2008

### 2. Hazards identification

GHS classification : Not applicable  
Adverse human health hazards : The chemical is estimated to have no particular toxicity.  
Environmental effects : Nothing particular  
Physical and Chemical hazards : Noncombustible and does not have particular physical and chemical hazards.  
Emergency overview : The chemical dose not have particular human health hazard, but a large dose swallow may irritate to digestive organs and cause nausea, increased blood pressure, and disorder of circulatory organs.

#### NFPA ratings (scale 0 - 4)



#### HMIS-ratings (scale 0 - 4)



#### GHS label elements Void

### 3. Composition/information on ingredients

Chemical name	Content	Formula	CAS No.	EINECS No.
Potassium Dyhydrogen Phosphate	About 0.34%	$\text{KH}_2\text{PO}_4$	7778-77-0	231-913-4
Disodium Hydrogen Phosphate Anhydrous	About 0.36%	$\text{Na}_2\text{HPO}_4$	7558-79-4	231-448-7
Water	Balance	$\text{H}_2\text{O}$	7732-18-5	231-791-2

### 4. First-aid measures

Eye : Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

- Skin : Take off the polluted clothes, and wash and clean the affected part of body.  
Inhalation : Remove the victim from contamination immediately to fresh air. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.  
Ingestion : In case of took a small quantity, rinse mouth with wash. In case of took a large quantity, give him water to make her puke.

## 5. Fire-fighting measures

- Extinguishing medias : This product is noncombustible.  
Flammable properties : None  
Fire fighting instructions : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.

## 6. Accidental release measures

- Land spill : If it is leaked on the floor, immediately sweep up and place in an empty container.  
Water spill : Be careful not to discharge the dense liquid-waste into rivers.

## 7. Handling and storage

- Handling : After work, wash hands.  
Storage : Avoid direct sun-beam and store in a dark, cool place and tightly closed.

## 8. Exposure controls/personal protection

### Exposure limit values

ACGIH (—) : Not available

### Exposure controls

#### Occupational Exposure Controls

- Engineering controls : Install a local ventilation system under dense vapor and dusty condition.

#### Personal Protection

- Respiratory Protection : Not necessary  
Hand Protection : If necessary, wear protective gloves  
Eye Protection : If necessary, wear Safety goggles  
Skin Protection : If necessary, wear protective gloves

## 9. Physical and chemical properties

### Appearance

- Form : Liquid  
Color : Colorless

### Safety data

- pH : 4.01  
Boiling Point/Boiling Range : Approx. 100°C  
Melting Point/Melting Range : Approx. 0°C  
Decomposition Temperature : No information available  
Flash Point : Noncombustible  
Auto Ignition Temperature : No information available  
Flammability : Noncombustible  
Explosive Properties : No information available  
Oxidizing Properties : No information available  
Vapor Pressure : No information available  
Relative Density : Approx. 1g/mL(20°C)

Solubility : Water; Freely soluble  
Partition Coefficient : No information available  
(n-octanol/water)  
Viscosity : No information available  
Vapor Density : No information available  
Evaporation Rate : No information available

## 10. Stability and reactivity

Stability : Stable under normal usage.  
Condition to avoid : Light, heat  
Materials to avoid : No information available  
Hazardous reactions/ : No information available  
Decomposition products

## 11. Toxicological information

Acute Toxicity : Oral guinea pig LD50 2000mg/Kg (100% Potassium Dihydrogen Phosphate)  
Oral rat LD50 17g/Kg (100% Potassium Dihydrogen Phosphate Anhydrous)  
Eye Irritation : If contacted with eyes, eyes are irritated.  
Skin Irritation : Not available  
Sensitization : Not available  
Repeated Dose Toxicity : Not available  
Chronic Toxicity : Not available  
Mutagenicity : Not available  
Carcinogenicity : Not available  
Reproductive and Developmental Toxicity : Not available  
Potential health effects  
Inhalation : Not available  
Eye : Not available  
Skin : Not available  
Ingestion : Not available

## 12. Ecological information

Ecotoxicity : Not available  
Persistence And biodegradability : Not available  
Bioaccumulative potential : Not available  
Potential environmental effects : Not available

## 13. Disposal considerations

Product : Flush in a drain with plenty of water after neutralizing.  
Contaminated packaging : No information available

## 14. Transport information

US DEPARTMENT OF TRANSPORTATION(DOT)  
Hazardous Materials : Not applicable  
Sea transport  
IMDG : Not applicable  
Air transport  
ICAO/IATA : Not applicable

## 15. Regulatory information

EU

Labeling according to EC Directives

Risk Phrases : Not applicable

Safety Phrases : Not applicable

US

OSHA status : No information available

TSCA status : No information available

Please refer to any other federal, state and local regulations.

## 16. Other information

References : HANDBOOK OF ENVIRONMENTAL DATA ON ORGANIC CHEMICALS (Karel Verschueren VAN NOSTRAND REINHOLD)  
Safety data sheet guidebook edited by the information center of the Society for Japan Chemical Industry

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