IMSDS-10034

pH4 standard solution Phthalate 100-4

Mar. 26, 2009

## SAFETY DATA SHEET

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

**Product Name** 

Phthalate pH standard solution, pH 4.01

**Product Description** General Use

pH4 standard solution Phthalate 100-4

**Product Code** 

Calibration for pH electrode 3200043638 (9003001600)

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 Revised

Feb. 13, 1998 Mar. 26, 2009

### 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)



Health = 0Fire = 0

Reactivity = 0

#### · HMIS-ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

GHS label elements Void

### 3. Composition/information on ingredients

Chemical name	Content	Formula	CAS No.	EINECS No.
Potassium Hydrogen Phthalate	Nearly 1%	C <sub>6</sub> H <sub>4</sub> (COOK)(COOH)	877-24-7	212-889-4
Water	Balance	H <sub>2</sub> O	7732-18-5	231-791-2

#### First—aid measures

Skin

: Wash the affected areas under running water. : Wash the affected areas under running water.

Inhalation

: Remove the victim to fresh air, and make him blow his nose and gargle.

Ingestion

: Give the victim water. If necessary, get medical attention.

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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.

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

Physical and chemical properties

Appearance

Form

: Liquid

Color

: Colorless

Safety data

pH

: 4.01

Boiling Point/Boiling Range

: Approx. 100°C : Approx. 0°C

Melting Point/Melting Range **Decomposition Temperature** 

: No information available

Flash Point

: Noncombustible

Auto Ignition Temperature

: No information available

Flammability

: Noncombustible

Explosive Properties Oxidizing Properties Vapor Pressure Relative Density Solubility

: No information available : No information available : No information available : Approx. 1g/mL(20°C) Water; Freely soluble

Partition Coefficient (n-octanol/water)

: No information available : No information available

Vapor Density **Evaporation Rate** 

Viscosity

: No information available : No information available

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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 : The product is thin potassium hydrogen phthalate water solution

and does not have particular human health hazards.

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
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 with alkaline

substances.

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

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Labeling according to EC Directives

Risk Phrases : Not applicable Safety Phrases : Not applicable

US

OSHA status : No information available



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TSCA status : No information available

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

#### 16. Other information

References: The MERCK Index 12th Edition

HANDBOOK OF ENVIROMENTAL 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

Date of issue

: Feb. 13, 1998 Date of revision : Jul. 9, 2008

: Mar. 26, 2009

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