

**Buffer solution pH 7.0 (20 °C)****33666-10L-VP**

Version 1.1

Revision Date 08/22/2018

Print Date 10/17/2019

**SECTION 1. IDENTIFICATION**

Product name : Buffer solution pH 7.0 (20 °C)

Number : 000000021665

Product Use Description : Laboratory chemicals  
Scientific research and development

Manufacturer or supplier's details : Honeywell International Inc.  
1953 South Harvey Street  
Muskegon, MI 49442

For more information call : 1-800-368-0050  
+1-231-726-3171  
  
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**  
: **Transportation (CHEMTREC): 1-800-424-9300 or**  
: **+1-703-527-3887**  
:  
: (24 hours/day, 7 days/week)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Form : liquid

Color : green

Odor : no data available

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**Classification of the substance or mixture**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Precautionary statements : **Prevention:**  
Use personal protective equipment as required.

Hazards not otherwise classified : Repeated or prolonged exposure may irritate eyes, skin and respiratory system.

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Mixture

Chemical name	CAS-No.	Concentration
Water	7732-18-5	>=90.00 - <=100.00 %
Disodium hydrogen phosphate	7558-79-4	<=1.00 %
Potassium dihydrogen phosphate	7778-77-0	<=1.00 %

**SECTION 4. FIRST AID MEASURES**

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General advice	: First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
Inhalation	: If breathed in, move person into fresh air. If symptoms persist, call a physician.
Skin contact	: After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.
Eye contact	: Rinse thoroughly with plenty of water, also under the eyelids. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	: When swallowed, allow water to be drunk. Rinse mouth. Consult a physician.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Water spray Foam Dry powder Carbon dioxide (CO2)
Specific hazards during firefighting	: Fire may cause evolution of: Oxides of phosphorus Potassium oxide Sodium oxides
Special protective equipment for firefighters	: Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.
Further information	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |   |   |  |
|---|---|--|
| Personal precautions,<br>protective equipment and<br>emergency procedures | : | Evacuate personnel to safe areas.<br>Wear personal protective equipment. Unprotected persons<br>must be kept away.<br>Provide adequate ventilation.<br>Avoid contact with skin, eyes and clothing. |
| Environmental precautions   | : | Prevent further leakage or spillage if safe to do so.<br>Do not flush into surface water or sanitary sewer system.   |
| Methods and materials for<br>containment and cleaning<br>up               | : | Use mechanical handling equipment.<br>Soak up with inert absorbent material.<br>Sweep up and shovel into suitable containers for disposal.<br>Dispose of in accordance with local regulations.     |

**SECTION 7. HANDLING AND STORAGE****Handling**

- |  |   |  |
|--|---|--|
| Precautions for safe<br>handling                   | : | Wear personal protective equipment.<br>Avoid contact with skin, eyes and clothing. |
| Advice on protection against<br>fire and explosion | : | Normal measures for preventive fire protection.                                    |

**Storage**

- |  |   |   |
|--|---|---|
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in original container.<br>Keep containers tightly closed in a dry, cool and well-ventilated<br>place. |
|--|---|---|

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- |                     |   |   |
|---------------------|---|---|
| Protective measures | : | Ensure that eyewash stations and safety showers are close to<br>the workstation location. |
|---------------------|---|---|

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Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid contact with skin, eyes and clothing.

Eye protection	:	Safety glasses with side-shields
Hand protection	:	Latex gloves Gloves must be inspected prior to use. Replace when worn.
Skin and body protection	:	Protective suit
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures	:	General industrial hygiene practice.

**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	:	liquid
Color	:	green
Odor	:	no data available
pH	:	7 at , 20 °C
Melting point/range	:	100 °C at 1,013 hPa
Boiling point/boiling range	:	Note: no data available
Flash point	:	Note: Not applicable

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Flammability	: no data available
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available
Vapor pressure	: Note: no data available
Density	: 1.0 g/cm <sup>3</sup> at 20 °C
Water solubility	: Note: completely miscible
Ignition temperature	: Note: no data available
Decomposition temperature	: Note: Stable under recommended storage conditions.
Viscosity, dynamic	: Note: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: None known.

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Incompatible materials : None known.

Hazardous decomposition products : No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : Note: no data available

Acute inhalation toxicity : Note: no data available

Acute dermal toxicity : Note: no data available

Skin irritation : Note: no data available

Eye irritation : Note: no data available

Sensitisation : Note: no data available

Genotoxicity in vitro : Note: no data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to fish : Note: no data available

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Toxicity to daphnia and other aquatic invertebrates : Note: no data available

Toxicity to algae : Note: no data available

**Elimination information (persistence and degradability)**

Biodegradability : Note: no data available

**Further information on ecology****SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

**SECTION 14. TRANSPORT INFORMATION**

**DOT** Not dangerous goods

**TDG** Not dangerous goods

**IATA** Not dangerous goods

**IMDG** Not dangerous goods

**SECTION 15. REGULATORY INFORMATION****Inventories**

US. Toxic Substances Control Act : Not On TSCA Inventory



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Australia. Industrial  
Chemical (Notification and  
Assessment) Act : Not in compliance with the inventory

Canada. Canadian  
Environmental Protection  
Act (CEPA). Domestic  
Substances List (DSL) : Not in compliance with the inventory

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Korea. Existing Chemicals  
Inventory (KECI) : Not in compliance with the inventory

Philippines. The Toxic  
Substances and Hazardous  
and Nuclear Waste Control  
Act : Not in compliance with the inventory

China. Inventory of Existing  
Chemical Substances : On the inventory, or in compliance with the inventory

New Zealand. Inventory of  
Chemicals (NZIoC), as  
published by ERMA New  
Zealand : Not in compliance with the inventory

**National regulatory information**

TSCA : This material must be used in compliance with the TSCA  
Research and Development Exemption requirements (40 CFR  
720.36).

:

**SARA 302 Components** : No chemicals in this material are subject to the reporting  
requirements of SARA Title III, Section 302.

**SARA 313 Components** : This material does not contain any chemical components with  
known CAS numbers that exceed the threshold (De Minimis)

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reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards** : No SARA Hazards**California Prop. 65** :**WARNING:** This product can expose you to chemicals, listed below, known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Phenylmercury chloride

100-56-1

**SECTION 16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous

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versions.

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