

**Buffer concentrate pH 3.00****38742-1EA**

Version 1.2

Revision Date 08/17/2018

Print Date 05/22/2019

**SECTION 1. IDENTIFICATION**

Product name : Buffer concentrate pH 3.00

Number : 000000022038

Product Use Description : Laboratory chemicals

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 : no data available

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.**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
Phenylmercury chloride	100-56-1	<=0.001 %
Sodium dihydrogen citrate	18996-35-5	>1.00 - <5.00 %
Sodium chloride	7647-14-5	>1.00 - <5.00 %
Water	7732-18-5	>80.00 - <93.00 %
Citric acid-1-hydrate	5949-29-1	>5.00 - <10.00 %

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**SECTION 4. FIRST AID MEASURES**

- General advice : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Take off all contaminated clothing immediately. First aider needs to protect himself.
- Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin contact : Wash off with soap and plenty of water. Consult a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids. Consult a physician.
- Ingestion : Rinse mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

**Notes to physician**

- Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:  
Sodium oxides  
Hydrogen chloride gas

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carbon oxides (CO, CO<sub>2</sub>).

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Wear personal protective equipment. Unprotected persons must be kept away.  
Ensure adequate ventilation.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing vapours, mist or gas.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Dispose of in accordance with local regulations.

#### SECTION 7. HANDLING AND STORAGE

##### Handling

Precautions for safe handling : Avoid inhalation of vapour or mist.  
Wear personal protective equipment.  
Use only in well-ventilated areas.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

##### Storage

Conditions for safe storage, : Store in original container.

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including any  
incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

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

- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.  
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.  
Do not breathe vapours or spray mist.  
Avoid contact with skin, eyes and clothing.
- Engineering measures : Ensure adequate ventilation, especially in confined areas.
- Eye protection : Tightly fitting safety goggles
- Hand protection : Protective gloves  
Gloves must be inspected prior to use.  
Replace when worn.
- Skin and body protection : Complete suit protecting against chemicals
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
- Hygiene measures : General industrial hygiene practice.  
Wash hands before breaks and at the end of workday.

**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state : liquid
- Color : no data available

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Odor	: no data available
pH	: 3.0 at , 20 °C
Melting point/range	: Note: no data available
Boiling point/boiling range	: Note: no data available
Flash point	: Note: no data available
Evaporation rate	: Note: no data available
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available
Vapor pressure	: Note: no data available
Density	: Note: no data available
Water solubility	: Note: no data available
Partition coefficient: n-octanol/water	: Note: no data available
Auto-ignition temperature	: Note: no data available
Decomposition temperature	: Note: No decomposition if stored and applied as directed.

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Viscosity, kinematic : Note: no data available

Oxidizing properties : Note: no data available

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : no data available

Incompatible materials : Strong acids  
Organic materials  
Bases  
Reducing agents  
NitratesHazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:  
Sodium oxides  
Hydrogen chloride gas  
carbon oxides (CO, CO<sub>2</sub>).**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : Note: no data available

Acute inhalation toxicity : Note: no data available

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Acute dermal toxicity	: Note: no data available
Skin irritation	: Note: no data available
Eye irritation	: Note: no data available
Sensitisation	: Note: Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

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

Toxicity to fish : Note: no data available

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

Toxicity to algae : Note: no data available

**Elimination information (persistence and degradability)**

Bioaccumulation : Note: no data available

Biodegradability : Note: no data available

**Further information on ecology**

Additional ecological information : We have no quantitative data concerning the ecological effects of this product.



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**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

Australia. Industrial Chemical (Notification and Assessment) Act : Phenylmercury chloride 100-56-1  
: On the inventory, or 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 : Phenylmercury chloride 100-56-1  
: Not in compliance with the inventory

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Korea. Existing Chemicals Inventory (KECI)	: Phenylmercury chloride	100-56-1
	: Not in compliance with the inventory	
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: Phenylmercury chloride	100-56-1
	: On the inventory, or 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	: On the inventory, or in compliance with the inventory	

#### National regulatory information

<b>SARA 302 Components</b>	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313 Components</b>	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>SARA 311/312 Hazards</b>	: Acute Health Hazard
<b>California Prop. 65</b>	:  <b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . Phenylmercury chloride 100-56-1

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<b>New Jersey RTK</b>	: Water	7732-18-5
	: Citric acid-1-hydrate	5949-29-1
	: Sodium chloride	7647-14-5

<b>Pennsylvania RTK</b>	: Sodium chloride	7647-14-5
	: Water	7732-18-5
	: Citric acid-1-hydrate	5949-29-1

#### SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 1	1
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 versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group