

**Phosphate buffer solution pH 7.2**

319252-2L

Version 1.2

Revision Date 11.06.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name : Phosphate buffer solution pH 7.2  
SDS-number : 000000021057  
Type of product : Mixture  
Remarks : Document according to Art. 32 of Regulation (EC) 1907/2006.

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance/Mixture : Laboratory chemicals  
Uses advised against : none

**1.3. Details of the supplier of the safety data sheet**

Company : Honeywell International Inc. Honeywell International, Inc.  
115 Tabor Road 115 Tabor Road  
07950-2546 Morris Plains Morris Plains, NJ 07950-2546  
USA USA  
Telephone :  
For further information,  
please contact: : SafetyDataSheet@Honeywell.com

**1.4. Emergency telephone number**

Emergency telephone : +1-703-527-3887 (ChemTrec-Transport)  
number +1-303-389-1414 (Medical)  
Country based Poison : see chapter 15.1  
Control Center

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

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Not a hazardous substance or mixture.

### 2.2. Label elements

#### REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

### 2.3. Other hazards

None known.

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## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Not a hazardous substance or mixture.

Occupational Exposure Limit(s), if available, are listed in Section 8.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### *General advice:*

First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

#### *Inhalation:*

Remove to fresh air. If respiratory problems develop, obtain medical attention.

#### *Skin contact:*

Wash off with soap and plenty of water. If skin irritation persists, call a physician.

#### *Eye contact:*

Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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*Ingestion:*

Rinse mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms. :

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

*Suitable extinguishing media:*

Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

*Extinguishing media which shall not be used for safety reasons:*

Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as:  
carbon oxides (CO, CO<sub>2</sub>).

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Wear personal protective equipment. Unprotected persons must be kept away. Avoid contact with skin, eyes and clothing.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3. 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.

### 6.4. Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

*Advice on safe handling:*

Wear personal protective equipment. Use only in well-ventilated areas.

*Advice on protection against fire and explosion:*

Normal measures for preventive fire protection.

*Hygiene measures:*

General industrial hygiene practice.

### 7.2. Conditions for safe storage, including any incompatibilities

*Requirements for storage areas and containers:*

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

### 7.3. Specific end use(s)

no additional data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

##### DNEL/ PNEC-Values

No DNEL-data available.

No PNEC data available.

#### 8.2. Exposure controls

##### Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

Do not breathe vapours or spray mist.

##### Engineering measures

Ensure adequate ventilation, especially in confined areas.

##### Personal protective equipment

###### *Respiratory protection:*

In case of insufficient ventilation wear suitable respiratory equipment.

###### *Hand protection:*

Glove material: Natural Latex

Break through time: > 480 min

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

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Remarks: Supplementary note: The specifications are based on information and tests from similar substances by analogy.  
Due to varying conditions ( e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.  
Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.  
Manufacturer's directions for use should be observed because of great diversity of types .  
Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

*Eye protection:*

Safety glasses with side-shields

*Skin and body protection:*

Protective suit

### Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                             |                     |
|-----------------------------|---------------------|
| Physical state              | : liquid            |
| Colour                      | : colourless        |
| Odour                       | : odourless         |
| Melting point/range         | : No data available |
| Boiling point/boiling range | : No data available |
| Flammability                | : Not applicable    |
| Upper explosion limit       | : Not applicable    |
| Lower explosion limit       | : Not applicable    |

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|  |   |                                       |
|--|---|---------------------------------------|
| Flash point                            | : | Not applicable                        |
| Auto-ignition temperature              | : | No data available                     |
| Decomposition temperature              | : | No decomposition if used as directed. |
| pH                                     | : | 7,2                                   |
| Viscosity, kinematic                   | : | No data available                     |
| Water solubility                       | : | completely miscible                   |
| Partition coefficient: n-octanol/water | : | No data available                     |
| Vapour pressure                        | : | No data available                     |
| Density                                | : | 0,995 g/cm <sup>3</sup><br>at 25 °C   |
| Relative vapour density                | : | No data available                     |

### 9.2 Other Information

|                      |   |  |
|----------------------|---|--|
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |
| Evaporation rate     | : | No data available  |
| Viscosity, dynamic   | : | No data available  |

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

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No decomposition if used as directed.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.  
Hazardous polymerisation does not occur.

### 10.4. Conditions to avoid

Heat, flames and sparks.  
Keep away from direct sunlight.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:  
carbon oxides (CO, CO<sub>2</sub>).

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

*Acute oral toxicity:*  
No data available

*Acute dermal toxicity:*  
No data available

*Acute inhalation toxicity:*  
No data available

*Skin irritation:*  
No data available

*Eye irritation:*  
No data available

*Respiratory or skin sensitisation:*  
No data available



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*Aspiration hazard:*  
No data available

### 11.2. Information on other hazards

Endocrine disrupting properties  
No data available

*Other information:*  
No data available

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## SECTION 12: Ecological information

### 12.1. Toxicity

*Toxicity to fish:*  
No data available

*Toxicity to aquatic plants:*  
No data available

*Toxicity to aquatic invertebrates:*  
No data available

### 12.2. Persistence and degradability

*Biodegradability:*  
The methods for determining biodegradability are not applicable to inorganic substances.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

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No data available

### 12.7. Other adverse effects

No data available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

*Product:*

Dispose according to legal requirements.

*Packaging:*

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

*Further information:*

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID:Not dangerous goods    IMDG:Not dangerous goods    IATA:Not dangerous goods

### 14.2 UN proper shipping name

ADR/RID:Not dangerous goods

IMDG:Not dangerous goods

IATA:Not dangerous goods

### 14.3 Transport hazard class(es)

### 14.4 Packaging group

### 14.5 Environmental hazards

ADR/RID:no

Marine pollutant: no

### 14.6 Special precautions for user

No data available

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**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Basis                                  | Value | Remarks  |
|--|-------|--|
| Substances of very high concern (SVHC) |       | This product does not contain substances of very high concern according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of $\geq 0.1\%$ (w/w). |

**Poison Control Center**

| Country        | Phone Number                 |
|----------------|------------------------------|
| Austria        | +4314064343                  |
| Belgium        | 070 245245                   |
| Bulgaria       | (+35929154233                |
| Croatia        | (+3851)23-48-342             |
| Cyprus         | +357 2240 5611               |
| Czech Republic | +420224919293; +420224915402 |
| Denmark        | 82121212                     |
| Estonia        | 16662; (+372)6269390         |
| Finland        | 9471977                      |
| France         | +33(0)145425959              |
| Greece         | +30 210 779 3777             |
| Hungary        | (+36-80)201-199              |
| Iceland        | 5432222                      |
| Ireland        | +353(1)8092166               |
| Italy          | 0382 24444                   |

| Country         | Phone Number   |
|-----------------|--|
| Liechtenstein   | +41 442515151  |
| Lithuania       | +370532362052  |
| Luxembourg      | 070245245; (+352)80002-5500                                  |
| Malta           | +356 2395 2000   |
| Netherlands     | 030-2748888  |
| Norway          | 22591300   |
| Poland          | +48 42 25 38 400   |
| Portugal        | 800250250  |
| Romania         | +40 21 318 3606  |
| Slovakia (NTIC) | +421 2 54 774 166  |
| Slovenia        | +386 1 400 6051  |
| Spain           | +34915620420<br>112 (begär<br>Gif tinformation);+46104566786 |
| Sweden          | 112 (begär<br>Gif tinformation);+46104566786                 |
| Switzerland     | 145  |
| United Kingdom  | (+44) 844 892 0111   |

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|         |                        |
|---------|------------------------|
| Germany | Berlin : 030/19240     |
|         | Bonn : 0228/19240      |
|         | Erfurt : 0361/730730   |
|         | Freiburg : 0761/19240  |
|         | Göttingen : 0551/19240 |
|         | Homburg : 06841/19240  |
|         | Mainz : 06131/19240    |
|         | Munich : 089/19240     |
| Latvia  | +37167042473           |

### Other inventory information

US. Toxic Substances Control Act  
On TSCA Inventory

Australia. Industrial Chemicals Act (AIC), as amended  
On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)  
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List  
On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)  
On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)  
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)  
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

Taiwan Chemical Substance Inventory (TCSI)  
On the inventory, or in compliance with the inventory

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### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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### SECTION 16: Other information

#### Further information

All directives and regulations refer to amended versions.  
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

#### Abbreviations:

EC European Community  
CAS Chemical Abstracts Service  
DNEL Derived no effect level  
PNEC Predicted no effect level  
vPvB Very persistent and very bioaccumulative substance  
PBT Persistent, bioaccumulative und toxic substance

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