



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIERS

Product Code: 002.5

Product name: PHOSPHATE BUFFER 5 (0.05M)

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Use of the products: Solution required for the preparation of antibiotics for microbiological assays

Recommended by the European Pharmacopoeia (EP).

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company identification (legal and production site)	CPC BIOTECH s.r.l. Via L. Galvani, 1 20875 Burago di Molgora (MB), Italy
Company identification (production site)	CPC BIOTECH s.r.l. Via della Misericordia, 29 20854 Vedano al Lambro (MB)- Italy
Telephone number	0039-039-6898029
Fax number	0039-039-6898029
E-mail	<a href="mailto:info@cpcbiotech.it">info@cpcbiotech.it</a>
Responsible person of the MSDS	Safety department ACS Dobfar

### 1.4 EMERGENCY TELEPHONE NUMBER

Poison Control Center (Cav)-  
Piazza Ospedale Maggiore, 3  
- 20162 Milano (Italy)  
[cav@ospedaleniguarda.it](mailto:cav@ospedaleniguarda.it)

Emergency Telephone: +39 02 6610 1029

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Not a hazardous product according to Regulation n.1272/2008.

### 2.2 LABEL ELEMENTS

Not applicable. Mixture classified as not hazardous according to Regulation n.1272/2008.

### 2.3 OTHER HAZARDS

Not known.

## 3. COMPOSITION/INFORMATION ON THE INGREDIENTS

### 3.1 SUBSTANCES



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

Not available

### 3.2 MIXTURES

Ingredients not dangerous according to Regulation (CE) nr.1272/2008.

Formula (grams for liter of deionized water):	CAS number:
<i>Monobasic potassium phosphate</i> 6.8      g/L	7778-77-0

*Substance or components of the mixture do not contain endocrine disruptors.*

## 4. FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

Recommended to wear personal protective equipment for first aid.

In case of inhalation	Provide fresh air
In case of skin contact	Wash with soap and water
In case of eye contact	Wash out eyes with plenty of water
In case of ingestion	Wash out mouth with water. Give to the victim 1 or 3 glasses of water in order to dilute stomach content

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No additional information available.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available.

## 5. FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

The product is not combustible. Use extinguishing systems compatible with the local situation and with the surrounding environment.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Nature of decomposition products not known.

### 5.3 ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel	Wear suitable protective equipment. Don't breathe the vapors, evacuate the danger area.
For emergency responders	



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

Use protective devices.

See section 8.

## **6.2 ENVIRONMENTAL PRECAUTIONS**

Prevent entry to sewers and public waters.

## **6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Sweep up and dispose properly.

## **6.4 REFERENCE TO OTHER SECTIONS**

For individual protection, refer to section 8. For information about waste, refer to section 13.

# **7. HANDLING AND STORAGE**

## **7.1 PRECAUTIONS FOR SAFE HANDLING**

Ensure good ventilation of the workstation where dust is formed. Handle in accordance with good industrial hygiene and safety procedures.

## **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. The correct storage refers to intact product in its tightly closed package.

Recommended storage temperature: 2-25°C

## **7.3 SPECIFIC END USE(S)**

No additional information available.

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

## **8.1 CONTROL PARAMETERS**

No additional information available.

## **8.2 EXPOSURE CONTROLS**

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

Eye protection

Skin protection

Respiratory protection

Thermal hazards

Environmental exposure controls

Wear protective clothing. See section 7.1.

Personal protective equipment must be chosen in accordance with cen standards and with the supplier of personal protective equipment.

Wear compliant safety glasses.

Wear protective gloves. Wear disposable coveralls.

Wear disposable mask.

Not applicable

Do not let the product flow into the drains.

# **9. PHYSICAL AND CHEMICAL PROPERTIES**

## **9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

Appearance	Clear liquid. Possible presence of precipitates.
Odour	Not available
Odour threshold	Not available
pH	Between 7.9 and 8.1
Melting point/freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

## 9.2 OTHER SAFETY INFORMATION

No additional information available.

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No data available.

### 10.2 CHEMICAL STABILITY

The product is stable if store in adequate conditions (see section 7.2).

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No data available.

### 10.4 CONDITIONS TO AVOID

The product is stable if store in adequate conditions (see section 7.2).

### 10.5 INCOMPATIBLE MATERIALS

Strong oxidizing agents.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire see section 5.

## 11. TOXOLOGICAL INFORMATION



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity	The product doesn't represent acute toxicity in base of known information.
Skin corrosion/irritation	Not identified.
Respiratory or skin sensitisation	Not identified.
Germ cell mutagenicity	Not identified.
carcinogenicity	Not identified.
Reproductive toxicity	Not identified.
STOT-single exposure	Not identified.
STOT-repeated exposure	Not identified.
Aspiration hazard	Not identified.

## **12. ECOLOGICAL INFORMATION**

### **12.1 TOXICITY**

No data available.

### **12.2 PERSISTENCE AND DEGRADABILITY**

No data available.

### **12.3 BIOACCUMULATION 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 OTHER ADVERSE EFFECTS**

No data available.

## **13. DISPOSAL CONSIDERATION**

### **13.1 WASTE TREATMENT METHODS**

Do not disperse the product in the environment.

Dispose in a safe manner in accordance with local/national regulations.

## **14. TRANSPORT INFORMATION**

### **14.1 UN NUMBER**

Not applicable.

### **14.2 UN PROPER SHIPPING NAME**

Not applicable.



Catalogue code/number: 002.5

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

**14.3 TRANSPORT HAZARD CLASS(ES)**

Not applicable.

**14.4 PACKAGING GROUP**

Not applicable.

**14.5 ENVIRONMENTAL HAZARDS**

ADR	Not dangerous goods according to the current regulation.
RID	Not dangerous goods according to the current regulation.
ADN	Not relevant.
IATA	Not dangerous goods according to the current regulation.
IMDG	Not dangerous goods according to the current regulation.

**14.6 SPECIAL PRECAUTIONS FOR USER**

Not dangerous goods according to the current regulation.

**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE**

No data available.

**15. REGULATORY INFORMATION**

**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

This safety data sheet is in compliant to the Regulation UE 2020/878.

**15.2 CHEMICAL SAFETY ASSESSMENT**

Chemical safety assessment is not required for this product.

**16. OTHER INFORMATION**

Revision information	New revision, it replaces the previous ones. Revision carried out for alignment with the regulation.
List of abbreviation	Not available.
References	Listed in the appropriate paragraphs.
Full text of any H phrases not mentioned in full in sections 2 to 5	Not available.



Catalogue code/number: **002.5**

Product name: **PHOSPHATE BUFFER 5 (0.05M)**

<b>Disclaimer</b>
<p>The information in this safety data sheet is correct according to our best knowledge of the product at the time of publication. However, all statements, recommendations or suggestions are indicated without any implicit or explicit guarantee or assurance on our part. This information is provided for the sole purpose of allowing the most correct and safe use, storage, transport and disposal of the preparation.</p> <p>This information should not be considered a guarantee or a specification of the quality of the preparation.</p> <p>They refer only to the material specifically indicated and are not valid for the same when used in combination with other materials or in other processes not specifically indicated in the text of the safety data sheet.</p> <p>As a technician, the user should verify the suitability of this information for the specific use of the product and adopt the appropriate safety information</p>