

# Material Safety Data Sheet



**BUFFER SOLUTION pH 7.0 (PHOSPHATE)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 31390B**

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

### 1.1. Product identifier

**Trade name** : BUFFER SOLUTION pH 7.0 (PHOSPHATE)  
**Product code** : 31390B  
**Identification of the product** : BUFFER SOLUTION pH 7.0 (PHOSPHATE)

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

**Identified uses** : Laboratory chemicals, Manufacture of substances

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

**Company identification** MOLYCHEM INDIA LLP  
Office: Maker Tower 'E', 41-A2, 4th Floor,  
Above Maker Arcade, Cuffe Parade,  
Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 .  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C.,  
OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E),  
Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**  
Not classified

### **Adverse physicochemical, human health and environmental effects**

Not classified

### 2.2. Label elements

No labelling applicable

### 2.3. Other hazards

No additional information available

## 3. Composition/information on ingredients

### 3.1. Substances

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Not applicable

## 3.2. Mixtures

Name	Product identifier	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM PHOSPHATE (CAS-No.) DIBASIC DIHYDRATE	(CAS-No.) 10028-24-7	Not classified	Not classified
Potassium Dihydrogen Orthophosphate	(CAS-No.) 7778- 77-0	Not classified	Not classified

Stabilised with antifungal

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash with plenty of water/....
First-aid measures after eye contact	: Rinse immediately with plenty of water
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting.

### 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

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam. Water spray
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

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No additional information available

## 5.3 Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective Equipment, including respiratory protection.

## 6. Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

No additional information available

## 7. Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

### 7.3. Specific end use(s)

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No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Eye protection : Chemical goggles or safety glasses  
Hand protection : Wear protective gloves  
Skin protection : Wear suitable protective clothing  
Respiratory protection : Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.  
Thermal hazards : No additional information available

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : Liquid  
Molecular mass : Not available  
Colour : Clear Colorless.  
Odour : Not available  
Odour threshold : Not available  
pH : Not available  
Relative evaporation rate : Not available  
Melting point : Not available  
Freezing point : Not available  
Boiling point : Not available  
Flash point : Not available  
Auto-ignition temperature : Not available  
Decomposition temperature : Not available  
Flammability (solid, gas) : Not available  
Vapour pressure : Not available  
Relative vapour density at 20 °C : Not available  
Relative density : Not available  
Density : Not available  
Solubility : Not available  
Partition coefficient n-octanol/water (Log Pow) : Not available  
Viscosity, kinematic : Not available  
Viscosity, dynamic : Not available

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Explosive properties : Not available  
Oxidising properties : Not available  
Explosive limits : Not available

## 9.2. Other information

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Air contact. Direct sunlight. Open flame.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified  
Skin corrosion/irritation : Not classified  
Additional information : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

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## 12. Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

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## **ADR**

Transport hazard class(es) (ADR) : Not applicable

## **IMDG**

Transport hazard class(es) (IMDG) : Not applicable

## **IATA**

Transport hazard class(es) (IATA) : Not applicable

## **ADN**

Transport hazard class(es) (ADN) : Not applicable

## **RID**

Transport hazard class(es) (RID) : Not applicable

### **14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### **14.5. Environmental hazards**

Other information : No supplementary information available

### **14.6. Special precautions for user**

#### **Overland transport**

No data available

#### **Transport by sea**

No data available

#### **Air transport**

No data available

#### **Inland waterway transport**

No data available

#### **Rail transport**

No data available

### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

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

#### **15.1.1 EU-Regulations**

Contains no substances with Annex XVII restrictions

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Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

## 15.1.2. National regulations

### Germany

AwSV/VwVwS Annex reference

: Water hazard class (WGK) 3, strongly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Denmark

Recommendations Danish Regulation

: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No additional information available

## 16. Other information

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand
COD	Chemical oxygen demand
COD	Chemical oxygen demand
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer

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IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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