

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name	Buffer, Reference Standard, pH6
CAS number	N/A
Synonyms	Buffer, Reference Standard, pH 6.00 ± 0.01 at 25°C

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

Identified uses	Laboratory Chemicals
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#### 1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

None required

## 2.2 GHS Label elements, including precautionary statements

Pictogram

None required

Signal Word

Hazard statements      None required

Precautionary  
statements              None required

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Data not available.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Water	H <sub>2</sub> O	7732-18-5	99.08%
Potassium Dihydrogen Phosphate	KH <sub>2</sub> PO <sub>4</sub>	7778-77-0	0.81%
Sodium Phosphate Dibasic	Na <sub>2</sub> HPO <sub>4</sub>	7558-79-4	0.10%
Proprietary	Proprietary	Proprietary	0.01%
Sodium Hydroxide	NaOH	1310-73-2	0.00%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

**If inhaled**                      Not expected to require first aid. If necessary, remove to fresh air.

**In case of skin**              May cause slight irritation to those allergic to phosphates.

**In case of eye** May cause slight irritation.

**If swallowed** Dilute with water or milk. Call a physician if necessary.

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

Non-flammable, non-corrosive, non-toxic. Does not present any significant health hazards. May cause irritation. Wash areas of contact with water.

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

Not expected to require special treatment.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Use any means suitable for extinguishing surrounding fire.

**Unsuitable extinguishing media** No information available.

#### 5.2 Specific hazards arising from the substance or mixture

Not considered to be a fire or explosion hazard.

#### 5.3 Special protective equipment and precautions for firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

#### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** No information available.

##### Explosion limits

**Upper** No information available.

**Lower** No information available.

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

##### NFPA

Health	Flammability	Instability	Physical hazards
1	0	0	N/A

### SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate PPE for the size and nature of the spill. As a general rule, wear safety glasses and gloves.

## 6.2 Environmental precautions

No information available.

## 6.3 Methods and materials for containment and cleaning up

Absorb with suitable material (vermiculite, clay, etc.) and dispose of in accordance with local regulations. Check with local agencies for the proper disposal of phosphate containing solutions.

## 6.4 Reference to other sections

No information available.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

### Hygiene measures

No information available.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage conditions

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

### Incompatibilities

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Occupational exposure limits

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Sodium Hydroxide	TWA	2 mg/m <sup>3</sup>

### US. ACGIH Threshold Limit Values

Component	Type	Value
Sodium Hydroxide	TLV-Ceiling	2 mg/m <sup>3</sup>

## **US. NIOSH: Pocket Guide to Chemical Hazards**

No information available.

## **Biological occupational exposure limits**

No information available.

## **8.2 Exposure controls**

### **Appropriate engineering controls**

No specific controls are needed. Normal room ventilation is adequate.

### **Personal protective equipment**

#### **Eye/face protection**

Safety glasses or goggles.

#### **Skin protection**

Chemical resistant gloves.

#### **Body Protection**

Normal room ventilation is adequate. Chemical resistant gloves. Safety glasses or goggles.

#### **Respiratory protection**

Normal room ventilation is adequate.

#### **Control of environmental exposure**

No information available.

## **SECTION 9: Physical and chemical properties**

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

Physical State	Liquid
Appearance	Colorless
Odor	Data not available.
Odor Threshold	Data not available.
pH	6
Melting Point/Range	Approximately 0°C
Boiling Point/Range	Approximately 100°C

Evaporation Rate	Data not available.
Flammability (solid)	Data not available.
Flammability or explosive limit	
Upper	Data not available.
Lower	Data not available.
Vapor Pressure	Data not available.
Vapor Density	Data not available.
Density	1.0
Solubility	Miscible
Partition coefficient; n-octanol/water	Data not available.
Autoignition Temp	Data not available.
Decomposition Temp	Data not available.
Viscosity	Data not available.
Molecular Formula	Data not available.
Molecular Weight	Data not available.
VOC Content(%)	Data not available.
Oxidizing properties	Data not available.

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions of use and storage.

### 10.2 Chemical stability

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions

No information available

### 10.4 Conditions to avoid

None identified.

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

Will not occur.

## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Phosphate Dibasic	17 gm/kg	Not listed	Not listed
Potassium Phosphate Monobasic	Not listed	>4640 mg/kg	Not listed

#### Skin corrosion/irritation

Not applicable.

#### Serious eye damage/eye irritation

Not applicable.

#### Respiratory or skin sensitization

Not applicable.

#### Germ cell mutagenicity

Not applicable.

#### Carcinogenicity

Not applicable.

#### Specific target organ toxicity - single exposure

Not applicable.

#### Specific target organ toxicity - repeated exposure

Not applicable.

#### Reproductive toxicity

Not applicable.

#### Chronic effects

Not applicable.

## 11.2 Additional Information

No information available

## SECTION 12: Ecological information

#### **12.1 Toxicity**

Not applicable.

#### **12.2 Persistence and degradability**

No information available

#### **12.3 Bio accumulative potential**

No information available

#### **12.4 Mobility in soil**

No information available

#### **12.5 Results of PBT and vPvB assessment**

No information available

#### **12.6 Endocrine disrupting properties**

No information available

#### **12.7 Other adverse effects**

No information available

### **SECTION 13: Disposal considerations**

#### **13.1 Waste Disposal Methods**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

### **SECTION 14: Transport information**

#### **DOT (US)**

Not regulated

#### **IMDG**

Not regulated

#### **IATA**

Not regulated

### **SECTION 15: Regulatory information**

#### **US federal**



**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Listed, Sodium Hydroxide (CAS # 1310-73-2): 1000 lb final RQ

**SARA 304 Emergency release notification**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous**

Listed, Sodium Hydroxide (CAS # 1310-73-2): 1000 lb final RQ; 454 kg final RQ

Listed, Sodium Phosphate Dibasic (CAS # 7558-79-4): 5000 lb final RQ; 2270 kg final RQ

**SARA 313 (TRI reporting)**

Not listed.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not listed.

**Safe Drinking Water Act**

Not listed.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Not listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Listed, Sodium Hydroxide (CAS # 1310-73-2)

Listed, Sodium Phosphate Dibasic (CAS # 7558-79-4)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**California Proposition 65**

Not listed.

**SECTION 16: Other information**

Date of Issue: 10/6/2025

**SECTION 17: Disclaimer**

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.