

SAFETY DATA SHEET

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

1.1 Product identifiers

Product name Buffer, pH 7, Chemvelope

CAS number N/A

Synonyms N/A

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

Identified uses Laboratory Chemicals

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

None required

Pictogram

Signal Word None required

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 ₂ O; Aqua	7732-18-5	up to 100%
Potassium phosphate	Potassium Dihydrogen Phosphate	7778-77-0	<10%
Sodium Phosphate	Trisodium phosphate	7558-79-5	<10%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled Remove victim to fresh air and keep at rest in a position comfortable for

In case of skin Wash affected areas thoroughly with soap and water for at least 15 minutes.

In case of eye Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and

If swallowed Drink plenty of water. Do not induce vomiting without medical advice. Get

4.2 Most important symptoms and effects, both acute and delayed

Dust may be irritating to eyes. Prolonged skin contact may cause skin irritation or allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local

Unsuitable extinguishing media Not determined.

5.2 Specific hazards arising from the substance or mixture

Non-flammable.

5.3 Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or

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
0	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Keep unnecessary people away, isolate hazard area

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12,

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Sweep up, place in a bag, and hold for waste

6.4 Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Contaminated Equipment:

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Avoid excessive

Incompatibilities

Hazardous reaction in aqueous solution may occur with chlorine, hypochlorous acid, hypochlorites,

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

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

No information available

US. ACGIH Threshold Limit Values

No information available

US. NIOSH: Pocket Guide to Chemical Hazards

No information available

Biological occupational exposure limits

No information available

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers. Local exhaust

Personal protective equipment

Eye/face protection

Refer to 29 CFR 1910.133 for eye and face protection regulations. Contact lenses are not

Skin protection

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or

Body Protection

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or

Respiratory protection

Seek professional advice prior to respirator selection and use. Select respirator based on

Control of environmental exposure

Handle in accordance with good industrial hygiene and safety practice. Contaminated

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	White to off white granules, crystals or powder
Odor	Odorless
Odor Threshold	No information available.
pH	7.00
Melting Point/Range	No information available.
Boiling Point/Range	100 °C / 212 °F
Evaporation Rate	No information available.
Flammability (solid)	No information available.
Flammability or explosive limit	
Upper	Not determined
Lower	Not determined
Vapor Pressure	No information available.
Vapor Density	No information available.
Density	~1 @ 60°F

Solubility	No information available.
Partition coefficient;	No information available.
Autoignition Temp	No information available.
Decomposition Temp	No information available.
Viscosity	No information available.
Molecular Formula	No information available.
Molecular Weight	No information available.
VOC Content(%)	No information available.
Oxidizing properties	No information available.

9.2 Other safety information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

See below - Incompatible Materials.

10.4 Conditions to avoid

Keep out of reach of children.

10.5 Incompatible materials

Hazardous reaction in aqueous solution may occur with chlorine, hypochlorous acid, hypochlorites,

10.6 Hazardous decomposition products

May emit toxic fumes of phosphorous oxide.

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	17 g/kg (Rat)	Not listed	Not listed
Potassium Phosphate	3200 mg/kg (Rat)	> 4640 mg/kg (Rabbit)	Not listed

Skin corrosion/irritation

May be irritating to skin tissue

Serious eye damage/eye irritation

May be irritating to eye tissue

Respiratory or skin sensitization

Not considered a hazard with normal laboratory use.

Germ cell mutagenicity

No information available

Carcinogenicity

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Specific target organ toxicity - single exposure

None known

Specific target organ toxicity - repeated exposure

None known

Reproductive toxicity

No information available

Chronic effects

No information available

11.2 Additional Information

No information available

SECTION 12: Ecological information

12.1 Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability

Not determined.

12.3 Bio accumulative potential

There is no data for this product.

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

Not determined

12.6 Endocrine disrupting properties

Not determined

12.7 Other adverse effects

Not determined

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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 Phosphate (CAS # 7558-79-4), RQ: 5000 lb.

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 Phosphate (CAS # 7558-79-4): 5000 lb 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

Not Listed

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

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

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SECTION 16: Other information

Date of Issue: 10/8/2025

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.