Buffer Solution pH 7

CAROLINA® www.carolina.com

Product Description

Product Name: Recommended Use: Synonyms: Distributor:

Section 1

Buffer Solution pH 7 Science education applications None known Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Chemical Information: Chemtrec:

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

GHS Classification:

Section 2

Section 3	Composition / Information on Ingredients				
<u>Chemical Name</u> Water Potassium Phosphate, Monobasic Sodium Hydroxide	CAS #%7732-18-599.27778-77-00.71310-73-20.1				
Section 4	First Aid Measures				
Eyes: In case of co Skin Contact: After contact Ingestion: If swallowed	ccident by inhalation: remove casualty to fresh air and keep at rest. Intact with eyes, rinse immediately with plenty of water and seek medical advice. It with skin, wash immediately with plenty of water. It do not induce vomiting: seek medical advice immediately and show this container or label.				
Section 5	Firefighting Procedures				
Extinguishing Media: Fire Fighting Methods and Protectio Fire and/or Explosion Hazards: Hazardous Combustion Products:	Use media suitable to extinguish surrounding fire. Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Fire or excessive heat may produce hazardous decomposition products. Phosphorus compounds, Potassium Oxide, Sodium Oxides				
Section 6	Spill or Leak Procedures				
Steps to Take in Case Material Is Released or Spilled: Environmental Precautions:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS Avoid breathing material. Avoid contact with skin and eyes. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.				
Section 7	Handling and Storage				

Section 7

Handling and Storage

Handling:

Avoid contact with skin and eyes.

Storage:Keep container tightly closed in a cool, well-ventilated place.Storage Code:Green - general chemical storage

Section 8

Protection Information

	ACGIH		<u>OSHA</u>	PEL
Chemical Name	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
Sodium Phosphate, Monobasic	N/A	N/A	N/A	N/A
Sodium Hydroxide	N/A	N/A	2 mg/m3 TWA	N/A

Control Parameters Engineering Measures:

Engineering weasures.

Personal Protective Equipment (PPE): Respiratory Protection: Respirator Type(s):

Eye Protection:

Skin Protection:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Lab coat, apron, eye wash, safety shower.

No respiratory protection required under normal conditions of use.

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. Wear chemical splash goggles when handling this product. Have an eye wash station available.

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Vapor Pressure: No data available

Specific Gravity: Approx. 1

Evaporation Rate (BuAc=1): No data available

Vapor Density (Air=1): No data available

No information available

Section 9

Gloves:

Physical Data

Formula: See Section 3

Molecular Weight: No data available Appearance: Colorless Yellow Depends upon product selection. The color additives do not affect product hazards. Liquid Odor: None Odor Threshold: No data available pH: 7 Melting Point: Estimated 0 C Boiling Point: 100 C Flash Point: No data available Flammable Limits in Air: No data available

Solubility in Water: Soluble Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available

Viscosity: No data available Percent Volatile by Volume: No data available

Section 10

Reactivity: Chemical Stability: Conditions to Avoid: Incompatible Materials: Hazardous Decomposition Products: Hazardous Polymerization:

Reactivity Data

Not generally reactive under normal conditions. Stable under normal conditions. None known. Water-reactive materials Sodium Oxides, Potassium Oxide, Phosphorus compounds Will not occur

Section 11

Toxicity Data

Routes of Entry Symptoms (Acute): Delayed Effects: Ingestion, skin and eye contact. No data available No data available

Acute Toxicity: Chemical Name Water

CAS Number 7732-18-5

Oral LD50 Oral LD50 Rat 90000 mg/kg Dermal LD50

Inhalation LC50

					-		
Potassium Phosphate, Monobasic 7778-77-0			Oral LD50 Rat Dermal LD50 3200 mg/kg Rabbit > 4640 mg/kg				
Carcinogenicity: Chemical Name Potassium Phosphate, Mo	onobasic	-	CAS Number /8-77-0	IARC Not listed	NT Not listed		OSHA ot listed
Sodium Hydroxide		131	0-73-2	Not listed	Not listed	No	ot listed
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect. No evidence of negative reproductive effects. Respiratory system, Cardiovascular system, Musculoskeletal system No information available						
Section 12			Ec	cological D)ata		
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects:	This material is not expected to be harmful to the ecology. This material is expected to have high mobility in soil. It absorbs weakly to most soil types. Dissolved into water Bioconcentration is not expected to occur. No data No data						
Chemical Name Water Potassium Phosphate, Mo Sodium Hydroxide	CAS NumberEco Toxicity7732-18-5No data availableMonobasic7778-77-01310-73-2Aquatic LC50 (96h) Rainbow Trout 45.4 MG/L						
Section 13			Disp	osal Inforr	nation		
Disposal Methods: Waste Disposal Code(s)	Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.						
Section 14			Trans	sport Infor	mation		
Ground - DOT Proper Sh Not regulated for transpor					oper Shipping Nation for air transport by		
Section 15			Regul	atory Infor	rmation		
TSCA Status:		All compo	onents in this pr	oduct are on the	TSCA Inventory.		
Chemical Name		CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Potassium Phosphate, Mo	onobasic 7	7778-77-0	No	No	No	No	No
Sodium Hydroxide		1310-73-2	No	1000 lb RQ	1000lb (454kg) final RQ	No	No

California Prop 65:

No California Proposition 65 ingredients

Section 16	Additional
	Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary ACGIH CAS CERCLA	American Conference of Governmental Industrial Hygienists Chemical Abstract Service Number Comprehensive Environmental Response, Compensation, and Liability Act	NTP OSHA PEL ppm RCRA	National Toxicology Program Occupational Safety and Health Administration Permissible Exposure Limit Parts per million Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA IDLH	Toxic Substances Control Act Immediately dangerous to life and health