

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
OSHA requires that this form be kept on file.

Product No. S71897

Product Name BUFFER SOLUTION PH7

COLOR CODE YELLOW

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC 800-424-9300
HAZARD RATING

4-EXTREME	Health Hazard	0
3-SEVERE	Flammability	0
2-MODERATE	Reactivity	0
1-SLIGHT		
0-MINIMAL		

SECTION I NAME

Chemical Synonyms N/A

Formula Mixture

C.A.S. No. N/A

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
Water	CAS# 7732-18-5	>98%	None
Potassium Phosphate	CAS# 7778-77-0	<1%	None
Sodium Hydroxide 50%	CAS# 1310-73-2	<1%	2 mg/m ³
Thymol	CAS# 89-83-8	<1%	None
Yellow #5	CAS# 1934-21-0	<1%	None

* Chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O=1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	approx. 98%
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete (100%)		
Appearance & Odor	Translucent yellow liquid.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	Lower N/A	Upper N/A
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Extinguisher Media Use extinguishing media appropriate for surrounding fire.

Special Firefighting Procedures

Firefighters should wear self-contained breathing apparatus for any chemical fire.

Unusual Fire and Explosion Hazards

Closed containers exposed to heat may explode.

D.O.T. Not Regulated

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

Threshold Limit Value

None Established

Effects of Overexposure

May cause irritation. May be harmful if swallowed.

Emergency and First Aid Procedures

CALL A PHYSICIAN, SKIN: Remove contaminated clothing. Wash skin with soap and water. **EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **INGESTION:** Induce vomiting by giving a tablespoon of salt in warm water and repeat until vomit is clear. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION VI REACTIVITY DATA

Stability	Conditions to Avoid
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Heat
Incompatibility (Materials to Avoid)	N/A

Hazardous Decomposition Products N/A

Hazardous Polymerization Conditions to Avoid

May ☐ Will Not Occur ☒ N/A

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Wear suitable protective clothing. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

Waste Disposal Method

Disposal in accordance with all applicable federal, state and local environmental regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None required.

Ventilation

Protective Gloves

Other Protective Equipment

Lab coat

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

During use avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

N/A

Approved by Steven C. Quarry

Effective Date 05/08/2001

For laboratory use only. Not for drug, food or other consumption. Keep out of reach of children. Hazardous information. Keep out of reach of children. Hazardous information. Keep out of reach of children.