

MATERIAL SAFETY DATA SHEET

Buffer Solution, pH 7 (Yellow)

SECTION 1 . Product and Company Identification

Product Name and Synonym: Buffer Solution, pH 7 (Yellow)

Product Code: 147-30-1

Material Uses:

Manufacturer:

OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886
7/6/2009

Entry Date :

Print Date:

24 Hour Emergency Assistance :

Chemtec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Emergency Overview:Caution! May be harmful if swallowed. May cause irritation to skin and eyes.

Inhalation:No adverse health effects expected from inhalation.

Ingestion:Large oral doses may cause irritation to the gastrointestinal tract.

Skin:May cause mild irritation and redness.

Eye Contact:May cause mild irritation, possible reddening.

Chronic Exposure:No information found.

Aggravated by Exposure:No information found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Potassium Phosphate Monobasic	CAS# 7778-77-0	0.68%	W/V	None Established
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	0.01%	W/V	OSHA PEL 2 mg/m ³ ACGIH 2mg/m ³
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

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EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material. Flush excess down drain.
Ventilate area of Leak or Spill. Keep Unnecessary and Unprotected People away from the area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth). Do Not use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl
Eye Protection: Splash Goggles
Other Protective Equipment: Use safe laboratory handling procedures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 0 °C	Percent Volatile by Volume:	> 98
Boiling Point:	~ 100 °C	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable

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Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear, yellow, odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not flammable		
Specific Gravity:	~ 1		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	High temperatures
Materials to Avoid:	Concentrated Acids and Bases, Water reactive materials.
Hazardous Decomposition Products:	None known
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

For Sodium Phosphate, Dibasic: 17 gm/kg oral rat LD50; Standard Draize Irritation Test (rabbit, 24 H, 500 mg) mild skin and mild eye.
For Potassium Phosphate Monobasic: >4640 mg/kg skin rabbit LD50
 \Cancer Lists\
 ---NTP Carcinogen---
Ingrid Potassium Phosphate Monobasic 777-8770
Sodium Phosphate, Dibasic (7558-79-4)
Known NO NO
Anticipated NO NO
IARC Category NONE NONE

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1:Ingredient
Potassium Phosphate Monobasic (7778-77-0)
Sodium Phosphate, Dibasic (7558-79-4)
TSCA Yes Yes
EC Yes Yes
Japan YES Yes
Australia Yes Yes

Chemical Inventory Status –
Part 2:Ingredient
Potassium Phosphate Monobasic (7778-77-0)
Sodium Phosphate, Dibasic (7558-79-4)
Korea Yes Yes
DSL Yes Yes
NDSL NO NO
Phil. Yes Yes

Federal, State & International Regulations –
Part 1: Ingredient.

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Potassium Phosphate Monobasic (7778-77-0)
Sodium Phosphate, Dibasic (7558-79-4)
RQ NO No
TPQ NO Yes
List NO No
Chemical Catg No No

Federal, State &
International Regulations –
Part 2:Ingredient
Potassium Phosphate Monobasic (7778-77-0)
Sodium Phosphate, Dibasic (7558-79-4)
CERCLA NO 5000
261.33 No No
8(d) No No

Chemical Weapons Convention:No
TSCA 12 (b):No
CDTA:NO Mixture/Liquid)
SARA 311/312: Acute: Yes
Chronic: NO
Fire: No
Pressure: No
Reactivity: No
Australian Hazchem Code: None
Poison Schedule: None allocated
WHMIS:MSDS contains all of the information required by the CPR.

SECTION 16 Additional Information

Conditions aggravated/target organs: None known. Acute: Essentially non-hazardous. Possible irritation of eyes/stomach. Chronic: none known.

Flammability

Health

Reactivity

Revisions

NFPA

7/28/2010	0.1	updated msds to 16 section from 10 section msds. STN
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