## **MATERIAL SAFETY DATA SHEET**



# Buffer Solution, pH 6

## SECTION 1 . Product and Company Idenfication

Product Name and Synonym: Buffer Solution, pH 6

Product Code: 1480

Material Uses:

Manufacturer: Aqua Solutions, Inc

6913 Hwy 225

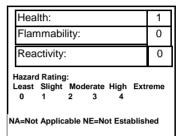
Deer Park, TX 77536

(281) 479-2569

Entry Date : 12/1/2014
Print Date: 12/1/2014

24 Hour Emergency Assistance : Chemtrec 800-424-9300

Canutec 613-996-6666



#### **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.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
☐ Citric Acid	d Monohydrate	CAS# 5949-29- 1	1.25%	W/V	OSHA PEL 5 mg/mf (respirable dust) (as anhyd.)
✓ Sodium H	lydroxide	CAS# 1310-73- 2	0.632%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
☐ Water, De Type II	eionized ASTM	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.

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.

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SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing

None

surrounding fire

Fire / Explosion Hazards:

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.

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: Safety Glasses

w/Side Shields

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 1

Vapor Pressure: not available Evaporation Standard Water =1

Vapor Density: not available Auto Ignition Temp Not applicable

Solubility in Water: Soluble Lower Flamm. Limit in Air Not applicable

Upper Flamm. Limit in Air

Not applicable

Appearance /Odors: Clear odorless

liquid

Flash Point: Information

not available

Specific Gravity: ~1

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: High temperatures, air

Materials to Avoid: None

Hazardous Decomposition

Products:

Not known to occur

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

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SECTION 11	Toxicological Information
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	
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	
5/30/2013	0.1	Review date LS
3/4/2009	0	Creation date LS

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