MATERIAL SAFETY DATA SHEET



Buffer Solution pH 11.00

SECTION 1 . Product and Company Idenfication

Product Name and Synonym: Buffer Solution pH 11.00

Product Code: 1528

Material Uses:

Manufacturer: Aqua Solutions, Inc

6913 Hwy 225

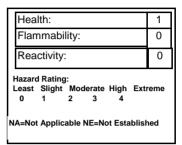
Deer Park, TX 77536

(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

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
✓ Sodium H	ydroxide	CAS# 1310-73- 2	<0.2%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
Sodium P Anhydrous	hosphate Dibasic s	CAS# 7558-79- 4	0.3 - 0.4%	W/V	TXDS: orl-rat LD•□: 17 gm/Kg
☐ Water, De Type II	eionized ASTM	CAS# 7732-18- 5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing

surrounding fire

Buffer Solution pH 11.00

Fire / Explosion Hazards:

None Known.

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:

Splash Goggles

Other Protective Equipment:

Wear appropriate clothing to prevent

skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

~0° C **Melting Point:**

Percent Volatile by Volume:

Boiling Point:

~100° C

Evaporation Rate

1

>99%

Vapor Pressure:

Information not available

Information

Auto Ignition Temp

Not applicable

Vapor Density:

not available Soluble

Lower Flamm, Limit in Air

Evaporation Standard

Not applicable

Solubility in Water: Appearance /Odors:

Clear.

Upper Flamm. Limit in Air

Not applicable

Flash Point:

odorless liquid not flammable

Specific Gravity:

~1.0

Stability: Stable

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Conditions to Avoid:

None known

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

Buffer Solution pH 11.00

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	

Overexposure symtoms: Corrosive effects. May cause Acute-Irritation and burns to skin, eyes, lungs, mucous membranes, and GI tract. Chronic-Dermatitis. Conditions aggravated/Target organs: Persons with preexisting skin or eye disorders may be more susceptible.

Flammability

Health Reactivity

Revisions	NFPA	
	0.1	

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