

# MATERIAL SAFETY DATA SHEET



Buffer Solution, pH 9

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Buffer Solution, pH 9  
 Product Code: 1520  
 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

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.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Boric Acid	CAS# 10043-35-3	0.3%	W/V	OSHA PEL 15 mg/mf (total dust)
<input type="checkbox"/>	Potassium Chloride	CAS# 7447-40-7	0.4%	W/V	None Established
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	<0.1%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
<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.

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 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.

**SECTION 7 HANDLING AND STORAGE**

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 exposure  
Eye Protection: Safety Glasses w/Side Shields  
Other Protective Equipment: Use safe laboratory handling procedures.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	<5°C	Percent Volatile by Volume:	>95%
Boiling Point:	>95°C	Evaporation Rate	Information not available
Vapor Pressure:	not available	Evaporation Standard	
Vapor Density:	not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear colorless odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not applicable		
Specific Gravity:	~1		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Protect from freezing.  
Materials to Avoid: Strong Acids, Bases. Water reactive materials  
Hazardous Decomposition Products: Not known to occur  
Hazardous polymerization: Will Not Occur

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Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

Routes of Entry: Absorbed through skin. Eye contact.  
Toxicity to Animals:  
LD50: [Rat] - Route: oral; Dose: > 90 ml/kg LC50: Not available.  
Chronic Effects on Humans: Not available.  
Other Toxic Effects on Humans:  
Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin.  
Non-hazardous in case of  
ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs.  
Non-corrosive to the eyes. Noncorrosive  
for lungs.  
Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects  
on Humans: Not available.  
Special Remarks on other Toxic Effects on Humans: Not available.

**SECTION 12 Ecological Information**

Routes of Entry: Absorbed through skin. Eye contact.  
Toxicity to Animals:  
LD50: [Rat] - Route: oral; Dose: > 90 ml/kg LC50: Not available.  
Chronic Effects on Humans: Not available.  
Other Toxic Effects on Humans:  
Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin.  
Non-hazardous in case of  
ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs.  
Non-corrosive to the eyes. Noncorrosive  
for lungs.  
Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects  
on Humans: Not available.  
Special Remarks on other Toxic Effects on Humans: Not available.

**SECTION 13 Disposal Considerations**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**SECTION 14 Transport Information**

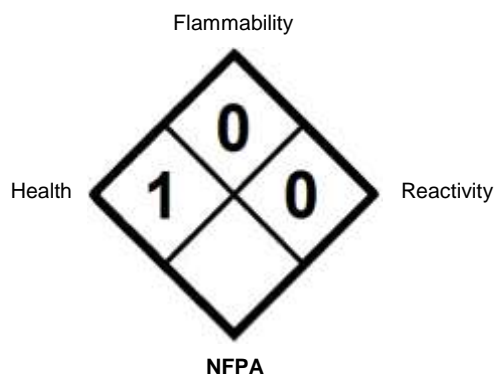
DOT Classification: Not Regulated

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

**SECTION 15 Regulatory Information**

Federal and State Regulations: TSCA 8(b) inventory: Water  
Other Regulations: EINECS: This product is on the European Inventory of Existing  
Commercial Chemical Substances.  
Other Classifications:  
WHMIS (Canada): Not controlled under WHMIS (Canada).  
DSCL (EEC):  
This product is not classified according to the EU regulations. Not applicable.

**SECTION 16 Additional Information**



**Revisions**

3/13/2013	0.1	Revised to 16 sections. LS
3/4/2009	0	Creation date LS

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