

# MATERIAL SAFETY DATA SHEET

Acetate Buffer, pH 4.6 pH 4.6 - 4.7

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetate Buffer, pH 4.6 pH 4.6 - 4.7

Product Code: 0027

Material Uses:

Manufacturer:

Science Stuff  
1104 Newport Ave

Austin, TX 78753  
(512) 837-6020

Entry Date : 5/23/2013

Print Date: 5/23/2013

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

May be 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.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Acetic Acid, Glacial	CAS# 64-19-7	3%	V/V	10 ppm OSHA TWA, 15 ppm OSHA STEL
<input type="checkbox"/>	Sodium Acetate Trihydrate	CAS# 6131-90-4	6.8%	W/V	None Established
<input type="checkbox"/>	Sodium Chloride	CAS# 7647-14-5	9%	W/V	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

May be 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.

FIRST AID: SKIN: Remove contaminated clothing. 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.

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**SECTION 5 FIRE FIGHTING MEASURES**

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or appropriate foam  
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, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Organic Vapor Cartridge  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	Information not available	Percent Volatile by Volume:	~80%
Boiling Point:	Information not available	Evaporation Rate	information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	clear liquid with pungent acetic acid smell	Upper Flamm. Limit in Air	Not applicable
Flash Point:	information not available		
Specific Gravity:	Information not available		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.

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Materials to Avoid: Oxidizing agents, metals, bases, amines.  
Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide  
Hazardous polymerization: Not known to occur  
Conditions to Avoid: None known

**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**

May be harmful if inhaled or ingested. Causes burns to any area of contact! For eye or skin contact, immediately flush with water for at least 15 minutes. In case of ingestion, DO NOT induce vomiting. Give large quantities of water or milk. Get medical attention immediately.

Flammability

Health

Reactivity

Revisions

NFPA

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