

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name Acetate Buffer Solution, pH 4.0, for Residual Chlorine, APHA

CAS number See Section 3

Synonyms None

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory Chemicals

#### 1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC  
12501 Pauls Valley Road  
Austin, Texas 78737  
U.S.A.

Telephone 512-668-9918

Fax 512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2A

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statements

Causes skin irritation  
Causes serious eye irritation

Precautionary statements

**Prevention:**  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves.  
Wear eye/face protection.  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Acetic Acid, glacial	-	64-19-7	40 - 60
Water	-	7732-18-5	20 - 40
Sodium Acetate, Trihydrate	-	6131-90-4	20 - 40

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice

Show this sheet to a doctor if medical advice is needed.

<b>If inhaled</b>	Remove to fresh air.
<b>In case of skin contact</b>	Wash skin with soap and water.
<b>In case of eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>If swallowed</b>	Clean mouth with water and drink afterwards plenty of water.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

#### 5.2 Specific hazards arising from the substance or mixture

No information available.

#### 5.3 Special protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus and full fire fighting turnout gear. Use personal protection equipment.

#### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** No information available.

##### Explosion limits

**Upper** No information available.

**Lower** No information available.

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**NFPA**

Health	Flammability	Instability	Physical hazards
3	2	0	N/A

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

**6.2 Environmental precautions**

The environmental impact of this product has not been fully investigated.

**6.3 Methods and materials for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**6.4 Reference to other sections**

Refer to protective measures listed in Sections 7 and 8. See section 13 for proper disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities****Storage conditions**

Keep container tightly closed in a dry and well-ventilated place.

**Incompatibilities**

None known based on information supplied.

**SECTION 8: Exposure controls/personal protection****8.1 Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Component	Type	Value
Acetic Acid, glacial 64-19-7	TWA	10 ppm, 25 mg/m3

**US. ACGIH Threshold Limit Values**

Component	Type	Value
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-	-	-
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#### US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
-	-	-

#### Biological occupational exposure limits

No information available.

## 8.2 Exposure controls

### Appropriate engineering controls

Showers, Eyewash stations, Ventilation systems.

### Personal protective equipment

#### Eye/face protection

No special protective equipment required.

#### Skin protection

No special protective equipment required.

#### Body Protection

No special protective equipment required.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### Control of environmental exposure

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear, colorless
Odor	Vinegar-like
Odor Threshold	No information available
pH	4.0
Melting Point/Range	No information available
Boiling Point/Range	111

Evaporation Rate	No information available
Flammability (solid)	No information available
Flammability or explosive limit	
Upper	No information available
Lower	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Density	1.2
Solubility	Miscible in water Soluble in diethyl ether Partially soluble in alcohol Partially soluble in acetone
Partition coefficient; n-octanol/water	No information available
Autoignition Temp	No information available
Decomposition Temp	No information available
Viscosity	No information available
Molecular Formula	Mixture
Molecular Weight	Mixture
VOC Content(%)	No information available
Oxidizing properties	No information available

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

None known based on information supplied.

### 10.5 Incompatible materials

None known based on information supplied.

### 10.6 Hazardous decomposition products

None known based on information supplied.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

##### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetic Acid, glacial 64-19-7	3310 mg/kg ( Rat )	1060 mg/kg ( Rabbit )	11.4 mg/L ( Rat ) 4h
Water 7732-18-5	90 mL/kg ( Rat )	-	-

##### Skin corrosion/irritation

No information available.

##### Serious eye damage/eye irritation

No information available.

##### Respiratory or skin sensitization

No information available.

##### Germ cell mutagenicity

No information available.

##### Carcinogenicity

No information available.

##### Specific target organ toxicity - single exposure

None known.

##### Specific target organ toxicity - repeated exposure

None known.

##### Reproductive toxicity

No information available.

##### Chronic effects

No information available.

### 11.2 Additional Information

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

The environmental impact of this product has not been fully investigated.

Component	Toxicity to Fish	Toxicity to Crustacea
Acetic Acid, glacial 64-19-7	LC50: =75mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: =79mg/L (96h, <i>Pimephales promelas</i> )	EC50: =47mg/L (24h, <i>Daphnia magna</i> ) EC50: =65mg/L (48h, <i>Daphnia magna</i> )

### 12.2 Persistence and degradability

No information available.

### 12.3 Bio accumulative potential

Inherently biodegradable.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

### DOT (US)

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Acetate Buffer Solution



## **IMDG**

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Acetate Buffer Solution

## **IATA**

UN Number	Not regulated
Proper Shipping name	Not regulated
Hazard Class	None
Packaging Group	Not regulated
Technical name	Acetate Buffer Solution

## **SECTION 15: Regulatory information**

### **US federal regulations**

#### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not listed/applicable.

#### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetic Acid, glacial, 64-19-7: 5000 lb final RQ

#### **SARA 304 Emergency release notification**

Not listed/applicable.

#### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed/applicable.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **SARA 302 Extremely hazardous substance**

Not listed/applicable.

#### **SARA 311/312 Hazardous**

See section 2 for hazard classifications.

#### **SARA 313 (TRI reporting)**

Not listed/applicable.

### **Other federal regulations**

#### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not listed/applicable.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not listed/applicable.

**Safe Drinking Water Act**

Acetic Acid, glacial, 64-19-7: 5,000,000 lb final RQ

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Acetic Acid, glacial, 64-19-7: Listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Acetic Acid, glacial, 64-19-7: Listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Acetic Acid, glacial, 64-19-7: Listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Acetic Acid, glacial, 64-19-7: Listed.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**SECTION 16: Other information**

Date of Issue: 8/7/2025

**SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.