

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name            Lead Acetate, 5%  
CAS number             See Section 3  
Synonyms                N/A

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

Identified uses                    General Laboratory Reagent.

#### 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)

Respiratory Sensitizer	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive Toxicity	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 1
Specific Target Organ Toxicity (Repeated Exposure)	Category 1

Hazardous to the Aquatic Environment (Acute)  
Hazardous to the Aquatic Environment (Chronic)

Category 2  
Category 2

## 2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands, and face thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment. Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.  Response: IF exposed or concerned, get medical attention. Call a POISON CENTER or physician. Get medical attention if you feel unwell. Specific treatment (Wash areas of contact with water).  IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTER or physician.  Spills: Collect spillage.  Storage: Store locked up.  Disposal: Dispose of contents in accordance with local, state, federal, and international regulations.

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

Data not available.

### SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Water	Aqua; H <sub>2</sub> O	7732-18-5	95.04%
Lead acetate trihydrate	-	6080-56-4	4.85%
Acetic acid	-	64-19-7	0.10%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

<b>If inhaled</b>	If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
<b>In case of skin contact</b>	May cause irritation, redness and pain. May be absorbed through skin on prolonged exposure.
<b>In case of eye contact</b>	May cause irritation, redness, pain, and tearing.
<b>If swallowed</b>	Dilute with water or milk. Do not induce vomiting for small amounts. Call a physician if necessary. For large amounts, induce vomiting and call a physician.

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic! Ingestion poses no real toxic effect in small amounts, but repeated (chronic) ingestion can cause serious problems subsequent to lead poisoning. Ingestion may cause nausea. If ingested, dilute with water, induce vomiting then call a physician. May cause irritation to the skin and eyes. Wash areas of contact with plenty of water. Acute poisoning is rare by any route of exposure. EYE CONTACT: May cause irritation, redness, pain, and tearing. SKIN CONTACT: May cause irritation, redness and pain. May be absorbed through skin on prolonged exposure. CHRONIC EFFECTS / CARCINOGENICITY: Lead accumulates in bone and teeth on prolonged or repeated exposure.

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

Specific treatment (Wash areas of contact with water).

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Use any means suitable for extinguishing surrounding fire.

**Unsuitable extinguishing media** No information available.

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

Not considered to be a fire or explosion hazard.

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

Use protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire.

**5.4 Further information**

**Flash Point** No information available.

**Autoignition Temperature** No information available.

**Explosion limits**

**Upper** No data available.

**Lower** No data available.

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

**NFPA**

Health	Flammability	Instability	Physical hazards
1	0	0	N/A

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

**6.2 Environmental precautions**

Do not flush to sewer.

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

Absorb with suitable material. Containerize for disposal with a hazardous waste disposal facility. Dispose of in accordance with local regulations.

**6.4 Reference to other sections**

See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions on safe handling

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Store locked up. Protect from freezing and physical damage.

#### Incompatibilities

Strong oxidizers, acids, Hydrogen Peroxide, Sulfites, Ammonium Thiocyanate.

## 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	TWA	10 ppm 25 mg/m <sup>3</sup>

#### US. ACGIH Threshold Limit Values

Component	Type	Value
Acetic acid	STEL	15 ppm
	TWA	10 ppm

#### Biological occupational exposure limits

No information available.

### 8.2 Exposure controls

#### Appropriate engineering controls

No specific controls are needed. Normal room ventilation is adequate.

#### Personal protective equipment

##### Eye/face protection

Wear eye protection. Safety glasses or goggles.

##### Skin protection

Wear protective gloves. Chemical resistant gloves.

### **Body Protection**

Wear protective clothing and chemical-resistant gloves.

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate.

### **Control of environmental exposure**

No information available.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical State	Liquid
Appearance	Colorless
Odor	Data not available
Odor Threshold	Data not available
pH	Data not available
Melting Point/Range	Approximately 0°C
Boiling Point/Range	Approximately 100°C
Evaporation Rate	Data not available
Flammability (solid)	Data not available
Flammability or explosive limit	Data not available
Upper	
Lower	
Vapor Pressure	Data not available
Vapor Density	Data not available
Density	1.03
Solubility	Miscible
Partition coefficient; n-octanol/water	Data not available
Autoignition Temp	Data not available
Decomposition Temp	Data not available
Viscosity	Data not available
Molecular Formula	N/A
Molecular Weight	N/A
VOC Content(%)	Data not available
Oxidizing properties	Data not 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 of use and storage.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Incompatible materials.

### 10.5 Incompatible materials

Strong oxidizers, acids, Hydrogen Peroxide, Sulfites, Ammonium Thiocyanate.

### 10.6 Hazardous decomposition products

Will not occur.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lead acetate trihydrate	4665 mg/kg (Rat)	-	-
Acetic acid	3310 mg/kg (Rat)	-	>40 mg/L (Rat) 4h

#### Skin corrosion/irritation

Not applicable.

#### Serious eye damage/eye irritation

Not applicable.

#### Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity

Suspected of causing genetic defects.

#### Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed
Lead acetate trihydrate	6080-56-4	Not listed	Reasonably Anticipated	Not listed	X	Not listed
Acetic acid	64-19-7	Not listed	Not listed	Not listed	Not listed	Not listed

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**Specific target organ toxicity - single exposure**

Causes damage to organs.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Reproductive toxicity**

May damage fertility or the unborn child.

**Chronic effects**

Data not available.

**11.2 Additional Information**

The toxicological properties have not been fully investigated.

## SECTION 12: Ecological information

**12.1 Toxicity**

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal, and international regulations. Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

Data not available.

**12.3 Bio accumulative potential**

Data not available.

**12.4 Mobility in soil**

Data not available.

**12.5 Results of PBT and vPvB assessment**

Data not available.

**12.6 Endocrine disrupting properties**

Data not available.

**12.7 Other adverse effects**

Data not 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)** Not regulated.

**IMDG** Not regulated.

**IATA** Not regulated.

#### SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not applicable.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Listed, Acetic acid (CAS #64-19-7), RQ: 5000 lb.

**SARA 304 Emergency release notification**  
Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**  
Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**  
**SARA 302 Extremely hazardous substance**  
Not listed.

**SARA 311/312 Hazardous**  
See Section 2 for more information.

**SARA 313 (TRI reporting)**  
Listed, Lead acetate trihydrate (CAS #6080-56-4).

#### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
Listed, Lead acetate trihydrate (CAS #6080-56-4).

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
Not regulated.

**Clean Water Act (CWA)**

Listed, Lead acetate trihydrate (CAS #6080-56-4).

Listed, Acetic acid (CAS #64-19-7), RQ: 5000 lb.

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

Listed, Acetic acid (CAS #64-19-7).

**US state regulations****US. Massachusetts RTK - Substance List**

Listed, Acetic acid (CAS #64-19-7).

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

Listed, Lead acetate trihydrate (CAS #6080-56-4).

Listed, Acetic acid (CAS #64-19-7).

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

Listed, Lead acetate trihydrate (CAS #6080-56-4).

Listed, Acetic acid (CAS #64-19-7).

**California Proposition 65**

Listed, Lead acetate trihydrate (CAS #6080-56-4).

**SECTION 16: Other information**

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**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.