



Shay and Company  
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# SAFETY DATA SHEET

Version: 1.0

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## 1. Product and Company Identification:

**Product:** Lactic Acid 88% Solution

**Item Code:** 99336

**Distributor:** Shay and Company

## 2. Hazard Identification:

**Risk Phrases:**

**Routes of entry:** Eyes, skin

**Eye Contact:** Risk of serious damage to eyes

## 3. Composition/Information on Ingredients:

**Ingredient Deck:** 88-98% Lactic acid; balance is water

## 4. First Aid Measures:

**Inhalation:** Remove to fresh air; seek medical attention if irritation persists.

**Eyes:** Flush immediately with plenty of water; seek medical attention if irritation persists.

**Skin:** Wash with soap and water, seek medical attention if irritation develops or persists.

**Ingestion:** Do not induce vomiting; drink 2-3 glasses of water, contact physician for further treatment.

## 5. Fire Fighting Measures:

**Suitable Extinguishers:** Water, carbon dioxide, foam

**Extinguishers Not to be Used:** none

**Hazardous Decomposition Products:** Heat can release irritation vapors

**Special Fire Fighting Procedures:** none

## 6. Accidental Release Measures:

**Personal Precautions:** Avoid contact with skin and eyes

**Environmental Precautions:** none



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**Clean Up Procedure:** Sweep up and dispose of according to local regulations. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

## 7. Handling and Storage:

**Handling Precautions:** Handle in accordance with good industrial hygiene and safety practice.

**Storage Requirements:** Keep in a dry, sealed container

**Temp. Max:** 200°F

**Temp. Min:** n/a

## 8. Exposure Controls/Personal Protection:

**Occupational Exposure Limit:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Respiratory Protection:** Use with adequate ventilation

**Eye Protection:** Wear safety glasses

**Skin Protection:** Protective clothing is not necessary

## 9. Physical and Chemical Properties:

**Description:** Clear to light yellow aqueous solution; characteristic aroma

**Extracted Method:** Fermentation of corn

**Flash Point:** >112°C/233.6°F

**Boiling Point:** 120°C/248°F

**pH:** <2.0 @ 20°C in 10% aqueous solution

**Solubility:** Water; not soluble in oil

## 10. Stability and Reactivity:

**Condition to Avoid:** Temperatures over 200°F

**Materials to Avoid:** Oxidizing agents

**Hazardous Decomposition Products:** Irritation vapors

**Stabilization Techniques:** none; product is stable

## 11. Toxicological Information:

Irritating to eyes and skin. Risk of serious damage to eyes. Inhalation of mists irritating to respiratory system.

## 12. Ecological Information:

**Mobility:** completely soluble



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**Persistence/degradability:** Readily biodegradable

**Bioaccumulation:** none

**Ecotoxicity:**

EC50/48h/Daphnia= 240mg/l

LC50/48h/Fish= 20 mg/l

EC50/algae=3500 mg/l (neutral)

### 13. Disposal Considerations:

**Handling Precautions:** No contact with eyes

**Method of Disposal:** Dispose of accordance with local regulations.

**Contaminated Packaging:** Dispose of accordance with local regulations.

### 14. Transportation Information:

Non-Hazardous Cargo. No special Transporting facility required.

### 15. Regulatory Information:

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

### 16. Other Information:

N/A

The information provided above is intended only as a guide to the appropriate precautionary handling of the item. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Shay and Company believes the above information to be accurate based on the information available, however, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Shay and Company meets their quality requirements and is appropriate for the use to which the product is to be put.