# $\mathbb{R}^{n}$ SCIENTIFIC

# Lactic Acid Safety Data Sheet (SDS)

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

# Lactic Acid

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-9898

# SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

Hazard class: Serious eye damage or irritation (Category 1). Causes serious eye damage (H318).

### SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
DL-Lactic acid	50-21-5	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	90.08	
Synonyms: Acetonic acid				

# SECTION 4 - FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If on skin: Wash with plenty of water (P302+P352).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid. Flash point: 110 °C When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

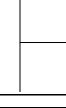
SECTION 7 — HANDLING AND STORAGE					
Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.					
Hygroscopic. Store in Flinn Chem-Saf™ bag.					
SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION					
Wear protective gloves and eye protection (P280). Wash hands thoroughly after handling (P264).					
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES					
Colorless or yellowish, hygroscopic syrupy liquid. Odorless.	Melting point: 18 °C				
Soluble: Miscible with water, alcohol, and glycerin.	Specific gravity: 1.2				
SECTION 10 — STABILITY AND REACTIVITY					
Avoid contact with bases, oxidizing agents, and reducing agents.					
Shelf life: Poor, hygroscopic. See Section 7 for further information.					
SECTION 11 – TOXICOLOGICAL INFORMATION					
Acute effects: Eye and skin irritation.	ORL-RAT LD <sub>50</sub> : N.A.				
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.				
Target organs: Eyes and skin.	SKN-RBT LD <sub>50</sub> : N.A.				
SECTION 12 – ECOLOGICAL INFORMATION					
Data not yet available.					
SECTION 13 – DISPOSAL CONSIDERATIONS					
Please review all federal, state and local regulations that may apply before proceeding.					
Flinn Suggested Disposal Method #24a is one option.					
SECTION 14 — TRANSPORT INFORMATION					

Save SDS to Your Library

Pictograms

Signal Word

DANGER



None established

NFPA Code

# SECTION 15 - REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-018-0), RCRA code D002.

# SECTION 16 - OTHER INFORMATION

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 $\rm N.A.$  = Not available, not all health aspects of this substance have been fully investigated.  $\rm N/A$  = Not applicable

### Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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