

SAFETY DATA SHEET

DL-LACTIC ACID

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: DL-LACTIC ACID
Catalog Number: LAC660

CAS #
DL-LACTIC ACID 7732-18-5 min.85%

Molecular Formula: C₃H₆O₃
Molecular Weight: 90.08

SECTION 2 HAZARDS IDENTIFICATION

WHMIS Classification:

E, Corrosive material
Moderate skin irritant
Moderate eye irritant

GHS Classification:

Pictogram:



Signal word: DANGER

Hazard Statements:

H315 Causes skin irritation
H318 Causes serious eye damage

Precautionary statements:

P280 wear protective gloves/eye protection/face protection
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Target Organs: eyes, skin, respiratory system

Eyes: causes eye irritation. May cause serious eye damage.

Skin: causes skin irritation.

Inhalation: May cause irritation to respiratory tract

Ingestion: may cause irritation to GI tract. May be harmful if swallowed

CHRONIC HEALTH HAZARDS: May cause kidney damage.

SECTION 3 COMPOSITION/ INGREDIENTS

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water . Get medical attention immediately.

Skin: In case of contact, flush area immediately with water. Get medical attention.

Inhalation: .remove to fresh air. Get medical aid.

Ingestion: Wash mouth with water. Do not induce vomiting. Get medical aid immediately.

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed

Use adequate ventilation. AVOID DUST GENERATION.

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: viscous liquid

Appearance and Odor: N/A

Melting Point: N/A

Boiling Point: N/A

Specific Gravity: 1.209

Vapor Density: N/A

Water Solubility: yes

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pH: 2.8 (10G/l)

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: excessive heat.

Incompatibility strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50/LC50:

LD50:

Oral, rat: 3543mg/kg

Epidemiology: not listed by ACGIH, IARC, NTP OR CA

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

US DOT;

CORROSIVE LIQUID ACIDIC, ORGANIC NOS, ,CLASS 8, UN 3256,
GROUP III

CANADA TDG:

CORROSIVE LIQUID,, ACIDIC, ORGANIC,CLASS 8, UN 3256,
GROUP III

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: WHMIS: E

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.