



Lactic Acid 80%

CAS Number: 50-21-5
Chemical Formula: $C_3H_6O_3$

DESCRIPTION

Lactic Acid 80% is an aqueous organic acid solution supplied as a clear, colourless liquid. It is widely used as an acidulant, pH regulator and chemical intermediate in industrial, construction, water treatment and specialty chemical applications where controlled acidity and biodegradability are required.

KEY FEATURES

- Biodegradable organic acid
- Provides controlled and precise pH adjustment
- Milder alternative to mineral acids with reduced corrosion potential
- Suitable for water treatment and process control applications
- Environmentally compatible and easy to handle
- Consistent quality for industrial and specialty chemical use

APPLICATIONS

- pH control and buffering in industrial formulations
- Water and wastewater treatment process control
- Cleaning and descaling formulations
- Raw material for biodegradable polymers and chemical intermediates
- Construction and specialty chemical systems requiring controlled acidity

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Colourless liquid
Purity (w/w %)	76 – 84
L-Lactic Acid Proportion (%)	≥ 97.5
Burned Residue (w/w %)	≤ 0.1
Chloride (ppm)	≤ 20
Sulfate (ppm)	≤ 50
Iron (ppm)	≤ 10
Lead (ppm)	≤ 2.0
Arsenic (ppm)	≤ 1.0



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia
chemport.com.au

PACKAGING

Available in drums, IBCs, or other suitable industrial packaging formats depending on customer requirements.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area, away from incompatible materials. Keep containers tightly sealed when not in use. Avoid prolonged exposure to heat and direct sunlight. Handle using standard chemical handling practices and appropriate industrial hygiene procedures.

SAFETY

Lactic Acid 80% is mildly corrosive in concentrated form. Avoid contact with eyes and skin and prevent inhalation of vapours or mists. Use appropriate personal protective equipment. Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information.