



Section 1 - Chemical Product and Company Identification

Product Name L-Glutamic Acid for tissue culture, 99%
Product Code 50277
CAS No 56-86-0
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
56-86-0	L(+)-Glutamic acid	99%	200-293-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Potential Health Effects

Eye: Causes mild eye irritation.

Skin: May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Ingestion of large amounts may cause nausea and vomiting, which can produce dehydration, internal organ congestion and possibly coma.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air.

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

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.



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Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Room temperature. Store in a tightly closed container.

Section 8 - Exposure Control / Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 56-86-0:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Freezing/Melting Point: 205 deg C(decom)

Molecular Formula: C₅H₉NO₄

Molecular Weight: 147.13

Section 10 - Stability and Reactivity

Chemical Stability:, Stable under normal temperatures and pressures.

Conditions to Avoid:, Incompatible materials.

Incompatibilities with Other Materials, Strong oxidizing agents, strong bases.

Hazardous Decomposition Products, Carbon monoxide, carbon dioxide, nitrogen oxides (NO_x) and ammonia (NH₃).

Hazardous Polymerization, Will not occur.

Section 11 - Toxicological Information

RTECS#:, CAS# 56-86-0: LZ9700000

LD50/LC50:, RTECS:

CAS# 56-86-0: Oral, rabbit: LD50 = >2300 mg/kg;

Oral, rat: LD50 = >30 gm/kg;

Carcinogenicity:, L(+)-Glutamic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other:, The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:, Not available



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Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	NOT REGULATED FOR TRANSPORT		
Hazard Class:			
UN Number:			
Packing Group			

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.