



## Section 1 - Chemical Product and Company Identification

**Product Name** L-Glutamic Acid extrapure CHR, 99%  
**Product Code** 20149  
**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:** Store in a cool, dry place. 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:** Powder

**Color:** white

**Vapor Pressure:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** 205 deg C (decom)

**Molecular Formula:** C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>

**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<sub>x</sub>) and ammonia (NH<sub>3</sub>).

**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.



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## Section 12 - Ecological Information

**Ecotoxicity:** Not available

## Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

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

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 56-86-0: 0

Canada

CAS# 56-86-0 is listed on Canada's DSL List

### US Federal

TSCA

CAS# 56-86-0 is listed on the TSCA Inventory.

## 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.