

SAFETY DATA SHEET

GLUTAMIC ACID

SDS No. 008-10

1. PRODUCT AND SUPPLIER IDENTIFICATION

Ingredient	CAS number	Name and address of manufacturer:
L - Glutamic Acid	56-86-0	VEDAN VIETNAM ENTERPRISE CORP., LTD.
EC number: 200-293-7		National Road 51, <u>Hamlet 1</u> , Phuoc Thai Village, <u>Dong Nai City</u> , Vietnam
Common name of the substance: L - Glutamic Acid		Tel: (+84)251-3825111, Fax: (+84)251-3825138
Trade name: L - Glutamic Acid		Emergency phone number: (+84)1800.599.902
Recommended use: Used as a flavour enhancer in food processing.		Contact address in case of emergency: VEDAN VIETNAM ENTERPRISE CORP., LTD. Tel: (+84)251-3825111, Emergency phone number:(+84)1800.599.902

2. HAZARDS IDENTIFICATION

a) GHS classification and information classified in accordance with available valid data provided by countries, areas or testing organizations

The product is not classified as a dangerous substance according to Vietnamese law and European Union law.

b) GHS label elements

In Vietnam: Labeling contents are under the guidance of Decree No. 37/2026/ND-CP dated January 23, 2026 of the The Government elaborating certain articles and measures for organizing and guiding the implementation of the Law on Products and Goods Quality.

For export: Labeling contents are according to legal regulations of importing countries.

Precautionary statements

Products which are unlikely to cause unsafety, in conditions of transport, storage and preservation, for proper use and for the right purpose, without causing harm to humans, animals, plants, property and the environment.

Storage instructions

See section 7.

Instructions for use

Used as a flavour enhancer in food processing.

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name of the substance	Ingredient	CAS number	Chemical formula	Content (% by weight)
L - Glutamic Acid	L - Glutamic Acid	56-86-0	C ₅ H ₉ NO ₄	Min 99

4. FIRST-AID MEASURES

a) Measures relevant to the route of exposure

- Accident in case of eye exposure (splashed, touched on the eyes): Rinse out with water. If the level of injury is serious, immediately take to an eye specialist.
- Accident in case of skin exposure (touched on skin): Wash off with water/shower.
- Accident in case of respiration exposure (breathing under form of vapor, gas): Fresh air.
- Accident in case of ingestion exposure (eating, drinking, swallowing): Consult doctor if feeling unwell.

b) Most important symptoms/effects, acute and delayed

No data available.

c) Indication of immediate medical attention and special treatment needed

No data available.

5. FIRE-FIGHTING MEASURES

a) Suitable extinguishing media

Using all available means for extinguishing a fire.

b) Toxic substances emitted from fires

A fire may liberate hazardous vapours/gases.

c) Special protective equipment and precautions for fire fighting.

Suitable extinguishing media are stored in the immediate neighborhood. Do not stay in the danger zone without suitable protection clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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a) Personal protective equipment and emergency procedures

Personal protective equipment: See section 8.

Emergency procedures: Prevent from spreading or entering drains, ditches or rivers by using sand, soil, or other appropriate barriers. Inform the local authorities if the spill is not controlled. Avoid generation of dusts; do not inhale dusts.

b) Environmental precautions

Leakage can cause pollution. Precautions should be taken to prevent from spreading or entering drains.

c) Methods and materials for containment and cleaning up

Take up dry. Forward for disposal. Clean up affected area.

7. HANDLING AND STORAGE

a) Measures and requirements for safe handling (e.g., ventilation, only using in closed systems, using explosion-proof electrical equipment, internal transport, etc.)

Need to equip personal protective according to item 8

b) Measures and requirements for safe storage (e.g., temperature, arrangement, limits to sources of explosion and avoidance of storing some chemicals together, etc.).

- Handling: Stored in dry, cool and covered. Not to close to flammable substances, explosives, toxic chemicals.
- Storage: packaged in sealed condition. At room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

a) Control parameters (e.g., occupational exposure limit values or biological limit values)

The product does not contain any substances that need to control limit values of occupational exposure.

b) Appropriate engineering controls

Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective equipment to product should be ascertained with the respective supplier.

c) Individual protection measures and personal protective equipment

- Respiratory protection: required when dusts are generated.
- Eyes/Face protection: Wear goggles or face shield if there is a risk of splashing
- Hand protection: Use recommended.
- Hygiene measures: General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

a) Physical state: Crystalline or crystalline powder	b) Boiling point (°C): not applicable
c) Color: White color or colorless	d) Melting point (°C): not applicable
đ) Particular odour : odourless.	e) Flash point(°C) by determination method: not applicable
g) Vapor pressure (mm Hg) at standard temperature, pressure : No information	h) Self-ignition temperature (°C): not applicable
i) Gas proportion (air = 1) at standard temperature, pressure: not applicable	k) Upper flammability/explosive limits(% of mixture with air): not applicable
l) Solubility in water: Slightly soluble in water	m) Lower flammability/explosive limits (% of mixture with air):

	not applicable
n) pH (saturated solution): 3,0 – 3,5	o) Evaporation rate: not applicable
p) Relative density (kg/m ³): No information	k) Other property if any: No information

10. PRODUCT STABILITY AND REACTIVITY

a) Possibility of reactions

Reacts with strong oxidizing agents.

b) Stability (heat resistance, sensitivity to the effects of friction, shock, etc.)

Stable under recommended conditions of use and preservation.

c) Dangerous reactions (corrosion, fire, explosion...)

No hazardous reactions under normal conditions of use and storage.

d) Conditions to avoid (Ex: electrostatic, vibration, shaking ...)

No hazardous reactions under normal conditions of use and storage.

d) Incompatible materials

No information

e) Decomposition reaction and products of the decomposition reaction

No information

11. TOXICOLOGICAL INFORMATION

a) Information about the likely routes of exposure

- Accident in case of eyes exposure: No information.
- Accident in case of skin exposure: No information.
- Accident in case of inhalation exposure: Under normal conditions for use, this product is not considered a hazard when inhaled.
- Accident in case of ingestion exposure: The product is not considered a hazard when swallowed with not too much quantity.

b) Symptoms related to product, toxicological and ecotoxicological characteristics

No information.

c) Immediate, delayed and chronic effects from short-term and long-term exposure

No toxic effects are to be expected when the product is handled appropriately.

d) Numerical measures of toxicity (acute toxicity estimates)

No information

12. ECOLOGICAL INFORMATION

a) Ecotoxicity (aquatic and terrestrial): No information.

b) Persistence and degradability: No information.

c) Bioaccumulative potential: No information.

d) Mobility in soil: No information.

đ) Other adverse effects: No information.

13. DISPOSAL CONSIDERATIONS

- **Product:** Observe local and national environmental regulations on disposal.
- **Packaging:** Disposal of the packaging as applied to the product.

14. TRANSPORT INFORMATION

- The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
- Transportation must be dry, clean, having roof covering and non strange smelt can affect to food quality.

15. REGULATORY INFORMATION

Shall comply with:

- Law on Product and Goods Quality No. 05/2007/QH12; Law on amendments to the Law on Quality of Product and Goods No. 78/2025/QH15.
- Law on Food Safety No. 55/2010/QH12.
- Product quality must comply with QCVN 4-1:2010/BYT "National technical regulation on food additives – enhancer”.
- Decree No. 37/2026/ND-CP elaborating certain articles and measures for organizing and guiding the implementation of the Law on Products and Goods Quality.
- Other relevant legal documents.
- OSHA Hazards: No known OSHA hazards.
- California Prop. 65 Components: No chemicals known to the State of California to cause cancer, birth defects, or other reproductive defects are used in the manufacture of this product.

16. OTHER INFORMATION

Date of compiling slip: 03/01/2006

Latest date of modification, addition: 20/07/2026

Name of compiling organization or individual: VEDAN VIETNAM ENTERPRISE CORP., LTD.

Note for reader:

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.