

Reanal Finechemical Co.

PO Box 54, Budapest, Hungary, H-1441 www.reanal.hu
Tel: +36 (1) 467 7500 Fax: +36 (1) 252-1483 E-mail: QA@reanal.huDate of issue: **31.12.2005**Date of printing: **18.02.2006**

1. Identification of the substance and the company

Product name: **L-Glutamic acid**
Synonyms: **(S)-2-Aminoglutaric acid**
CAS-No: **56-86-0**
EU-No: **200-293-7**
REANAL Product Number: **18700**

Company identification: **REANAL Finechemical Co.**
Address: HUNGARY, H-1147 Budapest, Telepes u. 53.
Tel.: (36-1) 467-7500
Fax.: (36-1) 252-1339

2. Composition / Information on ingredients

Molecular formula: **C₅H₉NO₄**
Relative molecular weight: **147.13**

3. Hazard statements

Hazard symbols and-signs:
No hazardous product as specified in Directive 67/548/EEC.

4. First aid measures

General:

Remove provided person from the exposed area immediately, if necessary make lay him/her comfortable and loosen tight clothing. Cover up injured person, do not allow to cool. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Wash contaminated clothing before reuse. Call a physician!

After swallowing:

If swallowed, wash out mouth with water provided person is conscious.

After inhalation:

Remove to fresh air.

After eye contact:

In case of contact immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelid with fingers.

After skin contact:

In case of skin contact, immediately wash skin soap and copious amounts of water.

5. Fire fighting measures

Combustible. Use water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam extinguisher. Emits toxic fumes under fire conditions. Use water spray to cool containers under fire conditions. Use extinguishing media appropriate to surrounding fire conditions.

6. Accidental release measures

Close contaminated area. Do not allow contamination to get to drain. Wear self-contaminated breathing apparatus, rubber boots and heavy rubber gloves according to degree of contamination. Sweep up, place in container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Containers out of use keep tightly closed. Store in labelled container, in a cool, dry place.

Storage temperature: **15-25 °C**

8. Exposure controls / Personal protection

Exposure controls:

Avoid contact with eyes, skin and clothing. Do not breathe dust. Mechanical exhaust required. Take care of bathing facilities with warm water after work. Safety shower and eye bath. Mechanical exhaust required. Wash thoroughly after handling.

Personal protective equipment:

Protective clothing.

Eye protect:

Chemical safety goggles.

Hand protect:

Respiration protection:

Specific control parameters

MAK (mg/m³): **N/A**

9. Physical and chemical properties

Form:	solid, powder
Colour:	white
Melting point [°C]:	205 (dec.)
Solubility in water [°C]:	7 g/l
Bulk density [kg/m ³]	460

10. Stability and reactivity

Incompatibilities:

Strong oxidizing agents.

Decomposition products:

Carbon monoxide, carbon dioxide, nitrogen oxides.

11. Toxicological information

Acute toxicity:

May cause irritation.

Toxicity data:

ORL - RAT LD₅₀: >30 g/kg

12. Ecological information

Quantitative data on the ecological effect of this product are not available.

13. Disposal information

Data not yet available.

Chemicals must be disposed of in compliance with the respective national regulations.

Reanal Finechemical Co.

PO Box 54, Budapest, Hungary, H-1441 www.reanal.hu
Tel: +36 (1) 467 7500 Fax: +36 (1) 252-1483 E-mail: QA@reanal.hu

14. Transport information

15. Regulatory information

Labelling according to EC Directives.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Reanal shall not be held liable for any damage resulting from handling or from contact.