

Date of Issue: **January, 2002**

Material Safety Data Sheet  
Not classified as hazardous  
according to criteria of NOHSC

Product Code: **37102**  
**L-Glutamic acid**

Merck Pty. Limited  
A.C.N. 005 064 791  
207 Colchester Road  
Kilsyth, Vic 3137, Australia  
Telephone: +61 (0) 3 9728 5855  
Fax: +61 (0) 3 9728 1351  
Emergency Telephone: +61 (0) 3 9728 7602  
Business Hours: 8:15am to 6:00pm  
Monday through Friday

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Identification

Product Name: L-Glutamic acid

Other Names: Not Applicable

Organic solid

Product Code: 37102

UN Number: Not subject to transport regulations.

Dangerous Goods Class & Subsidiary  
Risk: None allocated.

Packaging Group: None allocated.

Hazchem Code: None allocated.

Poisons Schedule Number: None allocated.

Use: General laboratory reagent.

Physical Description and Properties

Colour: white

Flash Point (Open Cup): No data.

Form: solid

Upper Flammability Limit: No data

Odour: odourless

Lower Flammability Limit: No data

Boiling Point: Not applicable

Ignition Temperature: Not applicable

Melting Point: 224°C

Log P (o/w): No data

Vapour Pressure: No data

Specific Gravity or  
Density: Not applicable

Vapour Density: No data

Viscosity: Not Applicable

Solubility in Water: Soluble

pH: Not Applicable

Other Information: May evolve toxic fumes in fire.  
Stable.

Conditions / Substances to be avoided: No data

### Ingredients

Chemical Name	CAS Number	Proportion
L-Glutamic acid	56-86-0	100 %

All constituent chemicals are listed in the Australian Inventory of Chemical Substances (AICS)

Product Code: 37102 (L-Glutamic acid)

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### Health Hazard Information

**Toxicological Information:** No data No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

**Carcinogen Category:** No evidence of carcinogenic properties.

**Mutagen Category:** No evidence of mutagenic properties.

No evidence of teratogenic effects.

**Teratogen Category:** Quantitative data on the toxicity of this product are not available. Hazardous properties cannot be excluded but unlikely when handled appropriately.  
After ingestion of large amounts: nausea, headache.  
The product should be handled with the care usual when dealing with chemicals.

Product Code: 37102 (L-Glutamic acid)

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### First Aid Information

**Eye contact:** Hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Inhalation:** Remove from exposure.

**Skin contact:** Wash off thoroughly with soap and water.

**Ingestion:** Wash out mouth thoroughly with water. In severe cases obtain medical attention. Contact a doctor or Poisons Information Centre. Phone 13 1126.

**First Aid Facilities:** None suggested.

**Advice to Doctor:** Treat symptomatically.

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Precautions For Use:  
NOHSC Australia Exposure Standards:  
TWA STEL

Peak Limit: N/A  
Carcinogen Limit: N/A

Protective Measures:

As appropriate to quantity handled.  
Respirator: Dust respirator. Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.  
Engineering Controls & Personal Protection: Ventilation: Extraction hood.  
Gloves: Rubber or plastic  
Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

Product Code: 37102 (L-Glutamic acid)

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Safe Handling Information:

Storage: Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.  
Handling: No special handling conditions specified.

Transport:

UN Number: Not subject to transport regulations.

Dangerous Goods Class & Subsidiary Risk: None allocated.

Packaging Group: None allocated.

Other Names: Not Applicable

Spillage and Disposal:

Wear appropriate protective clothing. Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

Not Applicable

Fire and Explosion:

Flammability: May evolve toxic fumes in fire.

Not applicable to this product.

Suitable Extinguishing Media: Use extinguisher relative to the combustible materials on fire.

Product Code: 37102 (L-Glutamic acid)

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Other Information:

Hazard Symbol: None Allocated

Risk Codes: None Allocated  
Not Applicable

Safety Codes: None Allocated  
Not Applicable

Behavior in environmental compartments:

log P(o/w): -3.69 (experimentell).

No bioaccumulation is to be expected (log P(o/w) <1).

Ecotoxic effects:

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

Further ecologic data:

BSB 64 % von ThSB /5 d ( Mixture of isomers. ).

No ecological problems are to be expected when the product is handled and used with due care and attention.

*Key to Hazard Symbols: Xn=Harmful, Xi=Irritant, T=Toxic, T+=Very Toxic, C=Corrosive, F=Flammable, F+=Very Flammable, E=Explosive, N=Dangerous for the Environment, H=NOHSC undefined hazardous substance*

Contact Point:

Operations Manager

(03) 9728 5855

Monday through Friday, 8:00am to 5:00pm (EST)

Manufacture's Advice:

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this

MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other product. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request

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