

# SAFETY DATA SHEET

L-GLUTAMIC ACID

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Revision No: 1

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** L-GLUTAMIC ACID

**CAS number:** 56-86-0

**EINECS number:** 200-293-7

**Product code:** G-10226

**Use of substance / preparation:** As a general purpose laboratory reagent

**Company name:** Park Scientific Ltd

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Moulton Place

Northampton

NN3 6HY

Tel: 01604 646945

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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation, in contact with skin and if swallowed.

**Other hazards:** Not classified as dangerous according to EC directives

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Contains:** L-Glutamic Acid CAS-NO 56-86-0

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact. Danger of skin absorption.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** Harmful Irritation of the mucous membranes, coughing and dyspnoea.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Carefully take up dry. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid contact with skin and eyes. Avoid direct contact with the substance. Do not inhale substance. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Avoid contact with water or humidity.

**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

**WEL (8 hr TWA):** None assigned

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Solid

**Colour:** White

**Odour:** Barely perceptible odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Not available

**Viscosity:** Non-viscous

**Melting point/range°C:** 205°C

**Flammability limits %: lower:** No data

**Flash point°C:** No data

**Autoflammability°C:** No data

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

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**Conditions to avoid:** Direct sunlight. Moist air.

**Materials to avoid:** Strong oxidising agents. The possibility of reaction with other substances cannot be excluded

**Haz. decomp. products:** No further data available.

**11. TOXICOLOGICAL INFORMATION**

**Chronic toxicity:** Further hazardous properties cannot be excluded. The product should be handled with care usual when dealing with chemicals

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Non-volatile.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** Adverse ecological effects cannot be excluded in the event of improper handling or disposal.  
Do not allow to enter drinking water supplies, waste water, or soil!

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Risk phrases:** R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

**Safety phrases:** S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

