

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name: L-Glutamine Powder
Product number: AC-AS-0005, AC-AS-0006, AC-AS-0007
Brand: anprotec

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Used in biotechnology. For professional user/industrial user only.

Details of the supplier of the safety data sheet:

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

CLP Regulation (EC) No 1272/2008

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Water-based mixture of inorganic and organic compounds

CAS: 56-85-9
EC: 200-292-1

4. FIRST AID MEASURES

In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse with water until the product has been eliminated.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water
Inhalation	If breathed in, move person to fresh air.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use.

In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

Special Protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task.

Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

Methods and materials for cleaning up

Absorb the spillage using sand or inert absorbent and move it to a safe place.

Do not absorb in sawdust or other combustible absorbents.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities Keep in properly labeled containers

Store in a cool, dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	We are not aware of any national exposure limit.
Appropriate engineering controls	General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form:	Form: Powder
Colour:	colourless
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

10. STABILITY AND REACTIVITY

Reactivity	No hazardous reactions are expected because the product is stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	no data available
Hazardous decomposition products	no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Based on available data, the classification criteria are not met
Principle Routes of Exposure/ Potential Health effects	
Eyes	Based on available data, the classification criteria are not met
Skin corrosion	Based on available data, the classification criteria are not met
Inhalation	Based on available data, the classification criteria are not met
Ingestion	Based on available data, the classification criteria are not met
Serious eye damage/irritation	no data available
Respiratory or skin sensitisation	no data available

12. ECOLOGICAL INFORMATION

Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Results of PBT and vPvB assessment	Product fails to meet PBT/vPvB criteria
Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

14. TRANSPORT INFORMATION

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: -

IMDG: -

IATA: -

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

Packaging group

ADR/RID: -

IMDG: -

IATA: -

Environmental hazards

ADR/RID: no

IMDG: Marine pollutant: no

IATA: no

Special precautions for user

no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

No data available

16. OTHER INFORMATION

Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Dirk Hindorf - anprotec shall not be held liable for any damage resulting from handling or from contact with the above product.