

Safety Data sheet

According to Directive 1907/2006

0278 L-GLUTAMIC ACID

Creation Date: 01/12/2010 Revision date: 31/05/2017

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 0278 Product name: L-GLUTAMIC ACID Use of the substance: Analysis and chemical-pharmaceutical production

Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología *Madrid* Tel:915620420
Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 56-86-0

Molecular Weight: 147,13

Chemical formula: $C_5H_9NO_4$

EC-No.: 200-293-7

4. First aid measures

After inhalation:

Fresh air

If necessary, artificial respiration

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

Call the physician

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

After swallowing:

Avoid vomiting

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water

Dust

Foam

Carbon dioxide

Special risks:

Combustible

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Person-related precautionary measures:

Avoid dust formation

Do not inhale dust

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Keep away from sources of ignition

Storage:

Well closed

In well-ventilated place

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Skin and body protection:

Suitable protective clothing

Other protective equipment:

Change immediately contaminated clothes

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: White

Melting point: 205°C

Boiling point: 247°C

Solubility: Easily soluble in water

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.

Hazardous decomposition products:

Carbon monoxide.

Nitrogen oxides.

Carbon dioxide.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): >30000 mg/kg

12. Ecological information

No information available

Other harmful effects:

Do not allow to enter waters, waste water, or soil

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations. For contaminated packaging the same measures must be adopted as for the contaminated product. Not contaminated packaging must be disposed of as domestic residues or recycled material. European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

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