

1. Product and Company Identification

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Product Name L-GLUTAMIC ACID

Product Number G8415

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : UAE,OMAN,CANADA,INDIA,KENYA.

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Email mail@rxmarine.com

2. Composition / Information on ingredients

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Formula C₅H₉NO₄

Molecular weight 147,13 g/mol

CAS-No. 56-86-0

EC-No. 200-293-7

No components need to be disclosed according to the applicable regulations.

3. Hazards Identification

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Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

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If inhaled

After inhalation: fresh air.

Skin Contact

In case of skin contact: Take off immediately all contaminated clothing and go to shower.

Eye Contact

After eye contact: rinse out with plenty of water. Remove contact lenses if possible.

Swallowing

After swallowing: make victim drink water (two glasses at least).

Ingestion:

unwell.

Do not induce vomiting. Obtain medical attention. If vomited, turn victim on left side (head-down position, if possible) to maintain airway.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 11.

Indication of any immediate medical attention and special treatment needed

3) and/or in section 11

No data available.

5. Fire-fighting Measures

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Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Sodium oxides Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating the ground water system
Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe (see sections 7 and 10). Take up dry. Dispose of properly (see sections 7 and 10). Take up dry. Dispose of properly
Reference to other sections	generation of dusts. For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling	For precautions see section 3.
Conditions for safe storage, including any incompatibilities	Storage conditions Tightly closed. Dry. Storage class Storage class (TRGS 510): 11: Combustible Solids Apart from the uses mentioned in section 1.2 no other specific uses are intended. No data available No data available
Specific end use(s)	
Explosive properties	
Oxidizing properties	

8. Exposure controls and personal protection

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Control parameters	Ingredients with workplace control parameters
Personal protective equipment	Eye/face protection Use equipment for eye protection tested and approved under appropriate conditions (see section 8.2.3 or 8.2.4)

government standards such as NIOSH (US) or EN 166(EN)

Skin protection

This recommendation applies only to the product stated in the data sheet and is not valid for other products supplied by us and for the designated use. When dissolving substances and under conditions deviating from those stated, contact the supplier of CE-approved gloves (e.g. KCL GmbH, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

This recommendation applies only to the product stated in the data sheet and is not valid for other products supplied by us and for the designated use. When dissolving substances and under conditions deviating from those stated, contact the supplier of CE-approved gloves (e.g. KCL GmbH, Internet: www.kcl.de).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the standards: DIN EN 143, DIN 14387 and other accompanying standards for the used respiratory protection system.

Recommended Filter type: Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and repair of protective devices are carried out according to the instructions.

These measures have to be properly documented.

Control of environmental exposure

9. Physical and chemical properties

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Appearance

Powder.

Odour

No data available.

Odor Threshold

No data available.

pH

No data available.

Melting point/freezing point

Melting point/range: 205 °C.

Initial boiling point and boiling range

OECD Test Guideline 103decomposition below boiling p

Flammability (solid, gas)

No data available.

Upper/lower flammability or explosive limits

No data available.

Vapor pressure

< 0,1 hPa at 20 °C - OECD Test Guideline 104.

Vapor density

No data available.

Density

1,54 g/cm³ at 20 °C.

Relative density

No data available.

Water solubility

8,64 g/l at 25 °C - soluble.

Partition coefficient:

n-octanol/water