

## Safety Data sheet

According to Directive 1907/2006

### 3814 L(+)-TARTARIC ACID GMP

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Creation Date: 12/09/2013 Revision date: 31/05/2017

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

### Identification of the product

Catalogue No: 3814 Product name: L(+)-TARTARIC ACID GMP Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119537204-47-0000

### 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

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## 2. Hazards identification

Labelling in accordance with directive 1907/2006



#### R-phrases

36 Irritating to eyes.

#### S-phrases

24/25 Avoid contact with skin and eyes.

Labelling in accordance with directive 1272/2008



#### H-phrases

319 Causes serious eye irritation.

#### P-phrases

305+351 If in eyes: Rinse cautiously with water for several minutes.

338 Remove contact lenses, if present and easy to do. Continue rinsing.

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Signal word : WARNING  
IRRITANT  
R-phrases:  
Irritating to eyes.

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### 3. Composition/information on ingredients

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

CAS-No.: 87-69-4

Molecular Weight: 150,09

Chemical formula:  $\text{HOOC}(\text{CHOH})_2\text{COOH}$

EC-No.: 201-766-0

R-phrases 36

For more information about the R-Phrases text you can consult the paragraph 16

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### 4. First aid measures

**After inhalation:**

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

**After eye contact:**

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

Call the ophthalmologist

**After swallowing:**

Drink lots of water

To cause vomit

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Dust

Foam

Water spraying

**Special risks:**

Combustible

Ambient fire may liberate hazardous vapours

**Special protective equipment for fire fighting:**

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

**Other information:**

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

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### 6. Accidental release measures

**Person-related precautionary measures:**

Avoid dust formation

Do not inhale dust

Avoid contact with the substance

Ventilation in closed spaces

**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

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed

Dry place.

Storage temperature: without limits

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 10 mg/m<sup>3</sup>

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

Protection gloves:

Nitrile rubber

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Solid

Colour: White

Odour: Odourless

pH value: 1,6 (100 g/l H<sub>2</sub>O)

Melting point: 206°C

Ignition temperature: 425 °C

Solubility: 1390 g/l (water) soluble (ethanol)

log P(ow): -0,76

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## 10. Stability and reactivity

**Substances to be avoided:**

Fluorine.  
Silver.  
Metals.

**Hazardous decomposition products:**

Carbon monoxide.  
Carbon dioxide.

**Further information:**

Strong heating (decomposition).

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## 11. Toxicological information

### Acute toxicity:

LDL0 (oral, rat): 7500 mg/kg

**After eye contact:**

Irritation

**After skin contact:**

Slight irritation symptoms

**After inhalation:**

Irritations of the mucous membranes

**After swallowing:**

Diarrhoea

**Further toxicological information:**

Other dangerous characteristics are not discarded  
Take the usual precautions for handling chemical products

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## 12. Ecological information

Fishes: C. auratus LC0: 200 mg/l

Daphnia: Daphnia Magna EC50: 135 mg/l /24 h

Log P(ow): -0,76

COD 0,522 g/g

TOD 0,533 g/g

Biodegradability: High

Bioaccumulation: No bioaccumulation is to be expected (log Pow<1).

**Other harmful effects:**

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

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## 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

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## 14. Transport information

**Quality Chemicals, S.L.**

Inscrita en el Registro Mercantil de Barcelona,  
tomo 30166, folio 195, Sección General, hoja 169845.  
Identificación fiscal ES B61403242

Fornal, 35 - Pol. Ind. Can Comelles Sud  
Apdo. de Correos, 184  
ES08292 Esparreguera (Barcelona)  
Tel. (34) 93 770 97 30 - Fax (34) 93 770 93 37  
customer-service@qualitychemicals.com - www.qualitychemicals.com

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

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## 15.Regulatory information

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## 16.Other information

Full text of R phrases mentioned in sections 2 and 3

36 Irritating to eyes.

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.