

## Safety Data sheet

According to Directive 1907/2006

### 0111 L(+)-ASCORBIC ACID

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Creation Date: 01/12/2010 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: 0111 Product name: L(+)-ASCORBIC 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

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## 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

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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.: 50-81-7

Molecular Weight: 176,13

Chemical formula:  $C_6H_8O_6$

EC-No.: 200-066-2

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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)

**After swallowing:**

Call the doctor

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## 5. Fire-fighting measures

**Suitable extinguishing media:**

Water

Dust

Foam

Carbon dioxide

**Special risks:**

Combustible

Danger of dust explosion

**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

**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

Protect from light

**Storage:**

Well closed

Dry place.

Protected from light.

Storage temperature: without limits

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## 8. Exposure controls/personal protection

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Needed

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes

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: 2,2 (50 g/l H<sub>2</sub>O)

Melting point: 192°C

Solubility: 333 g/l (water)

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## 10. Stability and reactivity

**Substances to be avoided:**

Strong oxidizing agents.

Alkaline hydroxides.

Copper.

Iron.

**Hazardous decomposition products:**

Toxic and corrosive vapours.

**Further information:**

Light-sensitive.

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## 11. Toxicological information

**Acute toxicity:**

LD50 (oral, rat): 11900 mg/kg; LD50 (oral, mouse): 3367 mg/kg; LD50 (intraperitoneal, mouse): 643 mg/kg

**After eye contact:**

Irritation

**After inhalation:**

Coughing

**After swallowing:**

Vomiting

Diarrhoea

**Further toxicological information:**

Non carcinogenic in animal experiments

No dangerous characteristics are to be anticipated

Take the usual precautions for handling chemical products

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## 12. Ecological information

BOD5 0,44 g/g

Biodegradability: High

**Other harmful effects:**

When used properly, no impairments in the function of waste-water-treatment plants are to be expected  
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

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

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.