

## Safety Data sheet

According to Directive 1907/2006

### 2305 OXALIC ACID, ANHYDROUS

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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: 2305 Product name: OXALIC ACID, ANHYDROUS Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119534576-33-0000

### 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

21/22 Harmful in contact with skin and if swallowed.

### S-phrases

24/25 Avoid contact with skin and eyes.

Labelling in accordance with directive 1272/2008



### H-phrases

312 Harmful in contact with skin.

302 Harmful if swallowed.

314 Causes severe skin burns and eye damage.

318 Causes serious eye damage.

**P-phrases**

302+352 IF ON SKIN: Wash with plenty of soap and water.

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

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

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

Signal word : DANGER

HARMFUL

R-phrases:

Harmful in contact with skin and if swallowed.

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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.: 144-62-7

Molecular Weight: 90,04

Chemical formula:  $C_2H_2O_4$

EC-Index-No.: 607-00-00-8

EC-No.: 205-634-3

R-phrases 21/22

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

Call the physician

**After eye contact:**

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

**After swallowing:**

Drink lots of water

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Water

Dust

Foam

Carbon dioxide

**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.

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

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 contact with the substance  
Avoid dust formation  
Do not inhale dust  
Ventilation in closed spaces

**Procedures for cleaning/absorption:**

Dry cleaning. Proceed to the elimination of any waste.  
Rinse.

To avoid the inert dust formation

**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.

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 1 mg/m<sup>3</sup> ; TLV-STEL: 2 mg/m<sup>3</sup>

**Personal protective equipment:**

**Respiratory protection:**

Necessary respiratory protection in the presence of dust

**Hand protection:**

Protection gloves:  
Nitrile rubber

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes  
Recommendable preventive protection of the skin  
Wash hands and face when the 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 (100 g/l H<sub>2</sub>O)

Melting point: 190°C

Flash point: 93,4°C

Vapour pressure: 21,5 hPa

Solubility: 220 g/l (water)

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## 10. Stability and reactivity

### Substances to be avoided:

Strong oxidizing agents.

Bases.

Sodium hypochlorite.

Chlorates.

Silver.

Mercury.

### Hazardous decomposition products:

Not available.

### Further information:

Sensitive to moisture.

To avoid heating (decomposition).

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## 11. Toxicological information

### Acute toxicity:

LD50 (dermal, rabbit): 20000 mg/kg. LD50 (oral, rat): 375 mg/kg.

#### After skin contact:

Risk of cutaneous absorption

Injuries to the skin

#### After inhalation:

Irritations of the mucous membranes

Coughing

Dyspnoea

#### After long contact:

Cardiovascular disorders

Drop in blood calcium level

Toxic effect on kidneys

Due to absorption:

Collapse

Electrolytic balance disorders

Vomiting

Nausea

Spasms

Agitation

Cardiovascular disorders

#### After swallowing:

Irritations of mucous membranes in the mouth

Irritations of oesophagus

Irritations of pharynx

Irritations of gastrointestinal tract

Vomiting

Nausea

### Further toxicological information:

The precautions adapted for chemical agents must be observed

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## 12. Ecological information

Fishes: *Leuciscus idus*: LC50: 160 mg/l/48h

Daphnia: Daphnia magna: EC50: 137 mg/l/48h  
Log P(ow): -0,81  
Degradability: Biodegradable  
BOD5 0,16 g/g  
COD 0,18 g/g  
TOD 0,18 g/g  
Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1)  
**Other harmful effects:**  
Do not allow to enter waters, waste water, or soil

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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

UN: 3261  
Class: 8  
Packaging group: III  
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

### Sea transport IMDG

UN: 3261  
Class: 8/III  
Packaging group: III  
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

### Air transport ICAO-IATA-DGR

UN: 3261  
Class: 8  
Packaging group: III  
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.  
CAO: 864  
PAX: 860

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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  
21/22 Harmful in contact with skin and if swallowed.  
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.