

## Safety Data sheet

According to Directive 1907/2006

### 1887 ACETIC ACID 96% w/w

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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: 1887 Product name: ACETIC ACID 96% w/w Use of the substance: Analysis and chemical-pharmaceutical production  
REACH registration Nr.: 01-2119475328-30-0000

### 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

10 Flammable.  
35 Causes severe burns.

### S-phrases

23.2 Do not breath vapour.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible)

Labelling in accordance with directive 1272/2008



**H-phrases**

226 Flammable liquid and vapour.  
314 Causes severe skin burns and eye damage.

**P-phrases**

210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with  
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

CORROSIVE

R-phrases:

Flammable.

Causes severe burns.

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### 3. Composition/information on ingredients

Aqueous solution

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

CAS-No.: 64-19-7

Molecular Weight: 60,05

Chemical formula: CH<sub>3</sub>COOH

EC-Index-No.: 607-002-00-6

EC-No.: 200-580-7

R-phrases 10; 35

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

If sickness persists, call the physician

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

Avoid vomiting (perforation risk)

Do not carry out neutralization measures

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Water

Dust

Foam

Carbon dioxide

**Special risks:**

Combustible

Possible formation of explosive mixtures with air  
Keep away from ignition sources  
Steam heavier than air  
In case of fire, possible formation of acetic acid

**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.

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## 6. Accidental release measures

**Person-related precautionary measures:**

Not to inhale steam/aerosols

**Procedures for cleaning/absorption:**

To gather with absorbents

To come to the elimination of the remainders

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

In well-ventilated place

Moved away of sources of ignition and heat

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 25 mg/m<sup>3</sup> (pure substance); TLV-STEL: 37 mg/m<sup>3</sup> (pure substance)

**Personal protective equipment:**

**Respiratory protection:**

Necessary when steam/aerosols are generated

**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

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## 9. Physical and chemical properties

**Quality Chemicals, S.L.**

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

Physical state: Liquid  
Colour: Colourless  
Odour: Spicy  
pH value: ca. 2.5 (10 g/l H<sub>2</sub>O)  
Melting point: 10°C  
Boiling point: 118°C  
Flash point: 40°C  
Density (g/cm<sup>3</sup>): 1,060  
Solubility: Soluble in water  
log P(ow): -0.17 (pure substance)

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## 10. Stability and reactivity

**Substances to be avoided:**

Anhydrides.  
Aldehydes.  
Alkaline hydroxides.  
Halogen-halogen compounds.  
Oxidizing agents.  
Nonmetallic halides.  
Alcohols.

**Hazardous decomposition products:**

Fumes of acetic acid.

**Further information:**

Incompatible with various metals and metal alloys.

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## 11. Toxicological information

**Acute toxicity:**

LD<sub>50</sub> (oral, rat): 3310 mg/kg (pure substance); LD<sub>50</sub> (dermal, rabbit): 1060 mg/kg (pure substance)

**After eye contact:**

Córnea disorder  
Risk of blindness  
Burns

**After skin contact:**

Burns

**After inhalation:**

Irritation of: respiratory tract  
Very corrosive substance  
Oedemas in the respiratory tract

**After swallowing:**

Burns in oesophagus  
Burns in gastrointestinal tract  
Spasms  
Vomiting  
Dyspnoea  
Risk of perforation in stomach  
Risk of perforation in the oesophagus  
Risk of aspiration upon vomiting  
Shock  
Acidosis  
Kidney problems

**Further toxicological information:**

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

## 12. Ecological information

Fishes: *Leuciscus idus* EC50: 410 mg/l (pure substance); *L. macrochirus* EC50: 75 mg/l (pure substance)

Daphnia: *Daphnia magna* EC50: 47 mg/l (pure substance)

Bacteria: *Photobacterium phosphoreum* EC50: 11 mg/l (pure substance)

Biodegradability: High

Bioaccumulation: Bioaccumulation is not expected

### Other harmful effects:

Harmful effect due to pH shift

Highly toxic for aquatic organisms

Acute ecotoxicity in the dumping area

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: 2789

Class: 8 (3)

Packaging group: 32b

Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION

### Sea transport IMDG

UN: 2789

Class: 8/II (3)

Packaging group: II

Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION

### Air transport ICAO-IATA-DGR

UN: 2789

Class: 8-3 (3)

Packaging group: II

Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION

CAO: 855

PAX: 851

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## 15. Regulatory information

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## 16. Other information

### Quality Chemicals, S.L.

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tomo 30166, folio 195, Sección General, hoja 169845.  
Identificación fiscal ES B61403242

Fornal, 35 - Pol. Ind. Can ComellesSud  
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

Full text of R phrases mentioned in sections 2 and 3  
10 Flammable.

35 Causes severe burns.

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.