

## Safety Data sheet

According to Directive 1907/2006

### 0003 HYDROCHLORIC ACID 32% 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: 0003 Product name: HYDROCHLORIC ACID 32% w/w Use of the substance: Analysis and chemical-pharmaceutical production REACH registration Nr.: 01-2119484862-27-0000

### 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

34 Causes burns.

37 Irritating to respiratory system.

### S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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**

314 Causes severe skin burns and eye damage.

335 May cause respiratory irritation.

**P-phrases**

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:

Causes burns.

Irritating to respiratory system.

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### 3.Composition/information on ingredients

Aqueous solution

**Short hazard description**

HYDROGEN CHLORIDE (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 31-34 %

R-Phrases: 23; 35

TOXIC; CORROSIVE

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

CAS-No.: 7647-01-0

Molecular Weight: 36,47

Chemical formula: HCl

EC-Index-No.: 017-002-01-X

EC-No.: 231-595-7

R-phrases 34; 37

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)

Call the doctor

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### 5.Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

Fireproof

Ambient fire may liberate hazardous vapours

The following may develop in event of fire: hydrochloric 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:**

Precipitate emergent steam with water

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

Avoid contact with the substance

**Procedures for cleaning/absorption:**

Take up with liquid-absorbent and neutralizing material

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

Do not use metallic containers

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## 8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 7.6 mg/m<sup>3</sup> (pure substance); TLV-STEL: 15 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

Physical state: Liquid  
Colour: Colourless  
Odour: Characteristic  
pH value: <1  
Melting point: -50°C  
Boiling point: 90°C  
Density (g/cm<sup>3</sup>): 1,150  
Solubility: Soluble in water

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## 10. Stability and reactivity

### Substances to be avoided:

Fluorine.  
Alkaline hydroxides.  
Aluminium.  
Alkaline metals.  
Hydride.  
Salts of oxyhalogenic acids.  
Aldehydes.  
Amines.  
Alkaline metals.  
Concentrated sulfuric acid.  
Carbides.  
Lithium silicide.  
Metals.  
Sulfur.  
Potassium permanganate.  
Formaldehyde.  
Vinyl methyl ether.  
Semimetallic oxides.  
Semimetallic hydrogen compounds.

### Hazardous decomposition products:

Hydrogen chloride.  
Chlorine.

### Further information:

Incompatible with various metals and metal alloys.

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## 11. Toxicological information

### Acute toxicity:

LC50 (inhalativo, rata): 3124 ppm (V)/1h (sustancia pura)

### After eye contact:

Burns  
Risk of blindness

### After skin contact:

Burns

### After inhalation:

Irritations of the mucous membranes  
Very corrosive substance

### After swallowing:

Burns in mouth  
Burns in throat  
Burns in oesophagus  
Burns in gastrointestinal tract  
Risk of perforation in stomach

Risk of perforation in the oesophagus  
After a latency period: cardiovascular failure

**Further toxicological information:**

The precautions adapted for chemical agents must be observed

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## 12. Ecological information

Fishes: *Leuciscus idus* LC50: 862 mg/l (1N solution)

**Other harmful effects:**

Toxic effect on fish and plankton

Harmful effect due to pH shift

Does not cause biological oxygen deficit

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: 1789

Class: 8

Packaging group: III

Correct technical name: HYDROCHLORIC ACID

**Sea transport IMDG**

UN: 1789

Class: 8/III

Packaging group: III

Correct technical name: HYDROCHLORIC ACID

**Air transport ICAO-IATA-DGR**

UN: 1789

Class: 8

Packaging group: III

Correct technical name: HYDROCHLORIC ACID

CAO: 856

PAX: 852

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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

23 Toxic by inhalation.

35 Causes severe burns.

34 Causes burns.

37 Irritating to respiratory system.

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.