

Safety Data sheet

According to Directive 1907/2006

0267 HYDROCHLORIC ACID 37% w/w

Creation Date: 01/12/2010 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 0267 Product name: HYDROCHLORIC ACID 37% 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

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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

290 May be corrosive to metals.
314 Causes severe skin burns and eye damage.
335 May cause respiratory irritation.

P-phrases

280 Wear protective gloves/protective clothing/eye protection/face protection.
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.

3. Composition/information on ingredients

Short hazard description

HYDROGEN CHLORIDE (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 36-38 %

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

4. First aid measures

After inhalation:

Fresh air

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Extract the substance by means of cotton impregnated with polietilenglicol 400

Undress immediately 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

Do not carry out neutralization measures

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.

6. Accidental release measures

Person-related precautionary measures:

Avoid contact with the substance

Not to inhale steam/aerosols

Ventilation in closed spaces

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

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Storage temperature: without limits

Do not use metallic containers

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 5 ppm (7,6 mg/m³); TLV-STEL: 10 ppm (15 mg/m³)

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Needed

Protection gloves:

Nitrile rubber

Natural latex

Eye protection:

Needed

Skin and body protection:

Protective clothing against acid

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

9. Physical and chemical properties

Physical state: Liquid
Colour: Colourless to yellowish
Odour: Biting
pH value: < 1
Dynamic viscosity: 1,9 mPa*s
Melting point: -74°C
Boiling point: 109°C
Vapour pressure: 21,3 hPa
Density (g/cm³): 1,180

10. Stability and reactivity

Substances to be avoided:

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

Hazardous decomposition products:

Hydrogen chloride.
Chlorine.

Further information:

Danger of explosion.
Incompatible with metals.
Hydrogen can be produced.

11. Toxicological information

Acute toxicity:

LC50 (inhalation, rat): 3124 ppm /1 h

After eye contact:

Burns
Risk of blindness

After skin contact:

Burns

After inhalation:

Irritation of: respiratory tract

Coughing

Dyspnoea

After swallowing:

Risk of perforation in stomach

Risk of perforation in the oesophagus

Burns in the digestive tract

After a latency period: cardiovascular failure

Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: *Leuciscus idus* LC50: 862 mg/l

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

Harmful effect on aquatic organisms

Damage to plant growth

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

14. Transport information

Overland transport ADR/RID

UN: 1789

Class: 8

Packaging group: II

Correct technical name: HYDROCHLORIC ACID

Sea transport IMDG

UN: 1789

Class: 8/II

Packaging group: II

Correct technical name: HYDROCHLORIC ACID

Air transport ICAO-IATA-DGR

UN: 1789
Class: 8
Packaging group: II
Correct technical name: HYDROCHLORIC ACID
CAO: 855
PAX: 851

15.Regulatory information

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.