

Safety Data sheet

According to Directive 1907/2006

2874 HYDROCHLORIC ACID 10% IN 2-PROPANOL

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: 2874 Product name: HYDROCHLORIC ACID 10% IN 2-PROPANOL Use of the substance: Chemical analysis

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

2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

11 Highly flammable
36/37/38 Irritating to eyes, respiratory system and skin.
67 Vapours may cause drowsiness and dizziness.

S-phrases

7 Keep container tightly closed.
16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.

Labelling in accordance with directive 1272/2008





H-phrases

225 Highly flammable liquid and vapour.
315 Causes skin irritation.
335 May cause respiratory irritation.
319 Causes serious eye irritation.
336 May cause drowsiness or dizziness.

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

HIGHLY FLAMMABLE; CORROSIVE

R-phrases:

Highly flammable

Irritating to eyes, respiratory system and skin.

Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients

Non-aqueous solution

Short hazard description

HYDROGEN CHLORIDE (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 10%

R-Phrases: 23; 35

TOXIC; CORROSIVE

iso-PROPYL ALCOHOL (CAS-Nr. 67-63-0, EINECS-Nr. 200-661-7) 90%

R-Phrases: 11; 36; 67

HIGHLY FLAMMABLE; IRRITANT

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

CAS-No.: 7647-01-0

R-phrases 11; 36/37/38; 67

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After inhalation:

Fresh air

If necessary, artificial respiration

If sickness persists, call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

If sickness persists, call the physician

After eye contact:

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

Call the physician if sickness persists

After swallowing:

Avoid vomiting

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water
Dust
Foam
Carbon dioxide

Special risks:

Flammable
Steam heavier than air
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.

Other information:

Avoid electrostatic load
Move away from ignition sources
Cool the containers with dewy of water from a safe distance

6. Accidental release measures

Person-related precautionary measures:

Not to inhale steam/aerosols

Procedures for cleaning/absorption:

Take up with liquid-absorbent and neutralizing material

Other information:

Evacuate the zone of danger
Ventilate

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling:

Avoid electrostatic load
Work under display cabinet extractor

Storage:

Well closed
Moved away of sources of ignition and heat

8. Exposure controls/personal protection

Exposure limit control

iso-PROPYL ALCOHOL

VLA-ED: 400 ppm (998 mg/m³) VLA-EC: 500 ppm (1250 mg/m³)

Personal protective equipment:

Respiratory protection:

Respiratory protection

Hand protection:

Needed

Eye protection:

Needed

Skin and body protection:

Protective clothing against acid

Other protective equipment:

Change immediately contaminated clothes

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour: Alcohol like

pH value: <1

Explosion limits: Low: 2 vol% ; High: 12,7% vol

Density (g/cm³): 0,800

Solubility: Soluble in water

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.

Alkaline hydroxides.

Metal and metal alloys.

Hazardous decomposition products:

Hydrogen chloride.

Carbon monoxide.

Further information:

To avoid heating.

Keep away from sources of ignition.

Incompatible with rubber and various plastics.

Incompatible with metals.

11. Toxicological information

Acute toxicity:

LDLo(oral,man): 3570 mg/kg

After eye contact:

Risk of serious damage to eyes

After skin contact:

Burns

Drying-out effect resulting in rough and chapped skin

After inhalation:

Irritations of the mucous membranes

After swallowing:

Burns in gastrointestinal tract

Risk of aspiration upon vomiting

Further toxicological information:

Take the usual precautions for handling chemical products

12. Ecological information

Quality Chemicals, S.L.

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

No information available

Other harmful effects:

Do not allow to enter waters, waste water, or soil
Harmful effect due to pH shift

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: 2924
Class: 3 (8)
Packaging group: II
Correct technical name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Sea transport IMDG

UN: 2924
Class: 3/II (8)
Packaging group: II
Correct technical name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Air transport ICAO-IATA-DGR

UN: 2924
Class: 3 (8)
Packaging group: II
Correct technical name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
CAO: 307
PAX: 305

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.
11 Highly flammable
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.
36/37/38 Irritating to eyes, respiratory system and skin.

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.