



## Safety Data Sheet

According to Regulation (EC) 1907/2006



3006 Hydrochloric Acid 10% w/w

# Identification of the substance/preparation and of the company or firm

## 1.1 Identification of the substance or preparation

Name:

Hydrochloric Acid 10% w/w

## 1.2 Synonym:

Muriatic Acid

## 1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

## 1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

# Identification of dangers

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

**Hazard Pictograms**



**Signal word**

Warning

**Hazard statements**

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

**Classification (67/548/CEE or 1999/45/CE).**

**Xi** IrritantR36/37/38

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

# Component Composition/Information

Name: Hydrochloric Acid 10% w/w

Formula: HCl M.= 36,46 CAS [7647-01-0]

EC number (EINECS): 231-595-7

EC index number: 017-002-01-X

# First aid

**4.1 General indications:**

**4.2 Inhaling:**

**4.3 Contact with the skin:**

**4.4 Eyes:**

**4.5 Swallowing:**

## **Fire-fighting means**

**5.1 Suitable fire-extinguishing means:**

**5.2 Fire-fighting means which must NOT be used:**

**5.3 Special risks:**

**5.4 Protective equipment:**

## **Measures to be taken in the event of accidental spillage**

**6.1 Individual precautions:**

**6.2 Precautions for care of the environment:**

**6.3 Methods for collection/cleaning:**

## **Handling and storage**

**7.1 Handling:**

**7.2 Storage:**

## **Staff exposure/protection controls**

**8.1 Technical protective measures:**

**8.2 Exposure limit control:**

VLA-EC(HCl): 15 mg/m<sup>3</sup>

VLA-ED(HCl): 7,6 mg/m<sup>3</sup>

**8.3 Respiratory protection:**

**8.4 Hand protection:**

**8.5 Eye protection:**

**8.6 Individual hygiene measures:**

**8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

# Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry:

Odour:

pH:

Melting point/freezing point:

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: (20/4) 1,047

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

# Stability and reactivity

**10.1 Conditions which should be avoided:**

**10.2 Matter which should be avoided:**

**10.3 Hazardous decomposition products:**

**10.4 Complementary information:**

# Toxicological information

- **Acute toxicity:**

LD50 oral rbt : 900 mg/kg

LC L0 inh hmn : 1300 ppm 30 min

LC50 inh hmn : 3124 ppm 1h

- **Dangerous effects for health:**

## **Environmental information**

**12.1 Mobility:**

**12.2 Ecotoxicity:**

**12.3 Degradability:**

**12.4 Accumulation:**

**12.5 Other possible effects on the environment:**

## **Considerations regarding elimination**

**13.1 Substance or preparation:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

**13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## **Information concerning transport**

Overland (ADR):

Technical name: HYDROCHLORIC ACID

UN 1789 Class: 8 Packaging group: III (E)

By sea (IMDG):

Technical name: HYDROCHLORIC ACID

UN 1789 Class: 8 Packaging group: III

By air (ICAI-IATA):

Technical name: Hydrochloric acid

UN 1789 Class: 8 Packaging group: III

Packaging instructions: CAO 821 PAX 819

## Regulatory information

The substance is subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council, of 11 February 2004 on drug precursors, Council Regulation (EC) No 1111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors, Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 1111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

## Other information

### Other precautionary statements

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

### Labelling (65/548/CEE or 1999/45/CE)

R-phras(e)s:	<b>R36/37/38</b> Irritating to eyes, respiratory system and skin.
S-phras(e)s:	<b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

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