2884 Hydrochloric Acid 0,01 mol/l *(0,01N)

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:
Hydrochloric Acid 0,01 mol/l *(0,01N)

Synonym:
Muriatic Acid

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) Nº 1907/2006, the annual tonnage does not requiere a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.
C/Garraf 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) Spain
Tel. (+34) 937 489 400
e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)
Tel.: (+34) 937 489 499

2. Identification of dangers

Classification of the substance or the mixture.

No hazardous mixture as specified in Regulation (CE) 1272/2008.

No hazardous mixture as specified in Classification (67/548/CEE or 1999/45/CE).

3. Component Composition/Information

Hydrochloric solution

Name: Hydrochloric Acid 0,01 mol/l *(0,01N)
Formula: HCl M.= 36,46 CAS [7647-01-0]
EC number (EINECS): 231-595-7

4. First aid

4.1 General indications:
Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:
Go out into the fresh air.

4.3 Contact with the skin:
Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:
Wash with plenty of water (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:
Drink large amounts of water. In the event of sickness, seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:
As appropriate to the environment.

5.2 Fire-fighting means which must NOT be used:
No specific data.

5.3 Special risks:
Incombustible. Upon contact with metals, hydrogen gas may form (there is a risk of explosion).

5.4 Protective equipment:
Suitable clothing and footwear. Self-contained breathing equipment.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:
Ensure adequate ventilation. Do not inhale the fumes.

6.2 Precautions for care of the environment:
Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:
Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Neutralize with diluted sodium hydroxide.

7. Handling and storage

7.1 Handling:
Limited shelf-life.

7.2 Storage:
Well sealed containers.In a cool, dry, well ventilated place.Room temperature.Do not store in metal containers.

8. Staff exposure/protection controls

8.1 Technical protective measures:
Ensure good ventilation and renewal of the air in the premises.

8.2 Exposure limit control:
VLA-EC(HCl): 10 ppm - 15 mg/m3
VLA-ED(HCl): 7,6 mg/m3
VLA-ED(HCl): 5 ppm

8.3 Respiratory protection:
In the event of fumes forming/aerosols, use suitable respiratory protection.

8.4 Hand protection:
Use suitable gloves

8.5 Eye protection:
Use suitable goggles.

8.6 Individual hygiene measures:
Use suitable work clothing. Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Do not inhale the substance. Do not eat, drink or smoke in the workplace.

8.7 Environmental exposure controls:
Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: liquid
Colour: Colourless
Granulometry: N/A
Odour: Odourless.
pH:
N/A
Melting point/freezing point: N/A
Initial boiling point and boiling range:
N/A
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: (20/4) 1
Solubility: Miscible with water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:
The product is chemically stable under standar ambient conditions (room temperature).

10.2 Matter which should be avoided:
Metals. (Hydrogen is formed).

10.3 Hazardous decomposition products:
Hydrogen chloride. Chlorine.

10.4 Complementary information:
No specific data.

11. Toxicological information

11.1 Acute toxicity:
LC50 inh rat : 3124 ppm (V) HF 1h

11.2 Dangerous effects for health:
Upon contact with the skin: Can cause irritations slight Through contact with the eyes: Can cause irritations slight

12. Environmental information

12.1 Toxicity:
12.1.1 - EC50 test (mg/l):
Fish test 25 mg/l
Classification:
Toxic
Leuciscus idus (48h)(1N) 862 mg/l
Classification:
Very toxic
12.1.2. - Receptor medium:
Risk for the water environment
Medium
Risk for the land environment
Medium
12.1.3. - Observations:
Has a major acute effect on the water and land environment depending on pH.

12.2 Persistence and Degradability :
12.2.1 - Test:
12.2.2. - Biotic degradation classification:
BOD5/COD
Biodegradability
12.2.3. - Abiotic degradation depending on pH:
12.2.4. - Observations:
Does not consume oxygen biologically.

12.3 Bioaccumulative potential:
12.3.1. - Test:
12.3.2. - Bioaccumulation:
Risk = ----
12.3.3. - Observations:
It is not bio-accumulable, although it is accumulable in water courses and soils in saline form (Cl-).

12.4 Mobility in soil :
Data not available.

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other possible effects on the environment:
Generally, its effect is acutely considerable in the dumping area. Its long-term effect is not so considerable if the dumping is not frequent.
The treatment is neutralization.
Data refer to the pure substance.

13. 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.
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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.
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14. 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 856 PAX 852

15. 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 111/2005 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 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

16. Other information

Review number and date: 4 15.09.2011
Date published: 15.09.2011
In respect of the previous review, changes have been made to the following sections: 15
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.