

Safety Data Sheet  
According to Regulation (EC) 1907/2006



## 1804 Alcohol-Hydrochloric 8:2

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

#### 1.1 Identification of the substance or preparation

Name:

Alcohol-Hydrochloric 8:2

**Synonym:**

**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) N° 1907/2006, the annual tonnage does not require 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](mailto: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.

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

Flam. Liq. 2

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

#### Hazard Pictograms



**Signal word**

Danger

**Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

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

**F** Highly flammable

R11

**Xi** Irritant

R36/37/38

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

**3. Component Composition/Information**

Name: Alcohol-Hydrochloric 8:2

**Composition:****0001: Ethanol absolute**

Formula: CH<sub>3</sub>CH<sub>2</sub>OH M.= 46,07 CAS [64-17-5]

EC number (EINECS): 200-578-6

EC index number: 603-002-00-5

REACH Registration Number: 01-2119457610-43-XXXX

**Content:** >= 50 %

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

Flam. Liq. 2

**Hazard Pictograms****Signal word**

Danger

**Hazard statements**

H225 Highly flammable liquid and vapour.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

P243 Take precautionary measures against static discharge.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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

**F** Highly flammable

**R11** Highly flammable.

**0002: Hydrochloric Acid 37%**

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

EC number (EINECS): 231-595-7

EC index number: 017-002-01-X

REACH Registration Number: 01-2119484862-27-XXXX

**Content:** >= 5 % <= 10 %

**Classification Regulation (CE) nº 1272/2008.**

Skin Corr. 1B

STOT SE 3

**Hazard Pictograms****Signal word**

Danger

**Hazard statements**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

### **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P321 Specific treatment (see on this label).  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P363 Wash contaminated clothing before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

**C** Corrosive

**R34** Causes burns.

**R37** Irritating to respiratory system.

## **4. First aid**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### **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. Seek medical assistance.

### **4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Seek medical assistance.

## **5. Fire-fighting means**

### **5.1 Suitable fire-extinguishing means:**

Water. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.

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

No specific data.

### **5.3 Special risks:**

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air. Prevent the build-up of static.

### **5.4 Protective equipment:**

Self-contained breathing equipment.

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

### **6.1 Individual precautions:**

Do not inhale the fumes. Avoid contact with the skin, eyes or clothing.

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

Do not allow it to enter the drainage system. 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.

## **7. Handling and storage**

### **7.1 Handling:**

No special indications.

### **7.2 Storage:**

Well sealed containers. Away from sources of ignition and heat. In well ventilated premises. Room temperature. Do not store in metal containers.

## **8. Staff exposure/protection controls**

### **8.1 Technical protective measures:**

No special indications.

### **8.2 Exposure limit control:**

VLA-EC(HCl): 10 ppm - 15 mg/m<sup>3</sup>

VLA-ED(ethanol): 1.000 ppm - 1.910 mg/m<sup>3</sup>

### **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:**

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

### **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: Ethanolic.

pH:

N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range:

N/A

Flash point: 19,8 °C (closed cup)

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

N/A

Solubility: Miscible with alcohol and 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:

High temperatures.

### 10.2 Matter which should be avoided:

Nitric acid. Oxidant agents. Aluminium. Anhydrides. Ammoniacal compounds  
Chromyl chloride. Salts of oxyhalogenic acids. Halogen oxides Halides. Halogen  
halides. Halogenated hydrocarbons. Hydrides. Alkaline metals. Alkali-earth metals.  
Nitrates. Nitriles. Alkaline oxides. Ethylene oxides. Metal oxides. Non-metal  
oxides. Hydrogen peroxide. Powdered zinc. Bases.

### 10.3 Hazardous decomposition products:

No specific data.

### 10.4 Complementary information:

The gases/fumes can form explosive mixtures with the air.

## 11. Toxicological information

### 11.1 Acute toxicity:

: Data not available.

### **11.2 Dangerous effects for health:**

If inhaled: Irritations to the respiratory tracts. Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Risk of perforation in the oesophagus and stomach. Systemic effects: narcosis Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum)  
(ethanol) 47000 mg/l

Classification:

Toxic

Fish (HCl 37%) 25 mg/l

Classification: Toxic

12.1.2. - Receptor medium:

Risk for the water environment

Low

Risk for the land environment

Low

12.1.3. - Observations:

Ecotoxic for water and land organisms due to the pH deviation. Major acute effects in the dumping area.

### **12.2 Persistence and Degradability :**

Data not available.

### **12.3 Bioaccumulative potential:**

Non-bioaccumulable product.

### **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:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

The treatment is neutralization.

Highly purifiable.

## **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: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

UN 2924 Class: 3 8 Packaging group: II (D/E)

By sea (IMDG):

Technical name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

UN 2924 Class: 3 8 Packaging group: II

By air (ICAI-IATA):

Technical name: Flammable liquid, corrosive, n.o.s.

UN 2924 Class: 3 8 Packaging group: II

Packaging instructions: CAO 363 PAX 352

## **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**



### Other precautionary statements

P243 Take precautionary measures against static discharge.  
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.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P370+P378 In case of fire: Use for extinction.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

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

R-phrases(s):	<b>R11</b> Highly flammable. <b>R36/37/38</b> Irritating to eyes, respiratory system and skin.
S-phrases(s):	<b>S7</b> Keep container tightly closed. <b>S16</b> Keep away from sources of ignition - No smoking. <b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. <b>S45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Review number and date: 4 23.8.2011

Date published: 23.8.2011

In respect of the previous review, changes have been made to the following sections: 5, 9, 10, 12

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.