

Safety Data sheet

According to Directive 1907/2006

0763 HYDROCHLORIC ACID 9% 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: 0763 Product name: HYDROCHLORIC ACID 9% w/w Use of the substance: Analysis and chemical-pharmaceutical production REACH registration Nr.: 01-2119484862-27-0000

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

319 Causes serious eye irritation.

335 May cause respiratory irritation.

315 Causes skin irritation.

P-phrases

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 : WARNING

IRRITANT

R-phrases:

Irritating to eyes, respiratory system and skin.

3. Composition/information on ingredients

Aqueous solution

Short hazard description

HYDROGEN CHLORIDE (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 8-10 %

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 36/37/38

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

4. First aid measures**After inhalation:**

Fresh air

If sickness persists, call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

Extract the substance by means of cotton impregnated with polietilenglicol 400

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

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 subterraneous 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:

To gather with absorbents

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

In well-ventilated place

Do not use metallic containers

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 7.6 mg/m³ (HCl); TLV-STEL: 15 mg/m³ (HCl)

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Skin and body protection:

Suitable protective clothing

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless
Odour: Characteristic
pH value: <1
Boiling point: 102°C
Density (g/cm³): 1,050
Solubility: Soluble in water

10. Stability and reactivity

Substances to be avoided:

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

Hazardous decomposition products:

Hydrogen chloride.

Further information:

Incompatible with various metals and metal alloys.

11. Toxicological information

Acute toxicity:

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

After eye contact:

Irritation
Risk of blindness

After skin contact:

Burns

After inhalation:

Irritation of: respiratory tract

After swallowing:

Burns in mouth
Burns in throat
Burns in oesophagus
Burns in gastrointestinal tract
Risk of perforation in stomach
Risk of perforation in the oesophagus
After a latency period: cardiovascular failure

Further toxicological information:

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: *Leuciscus idus* LC50: 862 mg/l (1N solution)

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

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: III

Correct technical name: HYDROCHLORIC ACID

Sea transport IMDG

UN: 1789

Class: 8/III

Packaging group: III

Correct technical name: HYDROCHLORIC ACID

Air transport ICAO-IATA-DGR

UN: 1789

Class: 8

Packaging group: III

Correct technical name: HYDROCHLORIC ACID

CAO: 856

PAX: 852

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.

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.