Qemical

QUALITY CHEMICALS

Safety Data sheet

According to Directive 1907/2006

2611 HYDROCHLORIC ACID 2N

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: 2611 Product name: HYDROCHLORIC ACID 2N Use of the substance: Analysis and chemical-pharmaceutical production REACH registration Nr.: 01-2119484862-27-0000

Company/undertaking identification

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Emergency telephone No.

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2.Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3.Composition/information on ingredients

Aqueous solution
Short hazard description
HYDROGEN CHLORIDE (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 5-10 %
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
For more information about the R-Phrases text you can consult the paragraph 16

4.First aid measures

After inhalation:
Fresh air
After skin contact:
Rinse with abundant water (or have a shower)
Get rid of the contaminated clothes
After eye contact:
Rinse with abundant water, keeping eyelids open (at least 10 min)
Call the opthalmologist
After swallowing:
Drink lots of water
Great amounts: call the physician if sickness persists

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:
Not to inhale steam/aerosols
Avoid contact with the substance
Ventilation in closed spaces
Procedures for cleaning/absorption:
Take up with liquid-absorbent and neutralizing material
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
Limited time of storage

8.Exposure controls/personal protection

Exposure limit control
TLV-TWA: 7.6 mg/m3 (pure substance); TLV-STEL: 15 mg/m3 (pure substance)

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
Wash hands when work is finished
Fulfill the commitments under local environmental protection legislation

9.Physical and chemical properties

Physical state: Liquid
Colour: Colourless
Odour: Odourless
pH value: <1
Density (g/cm3): 1,035
Solubility: Soluble in water

10.Stability and reactivity

Substances to be avoided:
Metals.
Water-reacting products
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)/1h
After eye contact:
Slight irritation
After skin contact:

Slight irritation symptoms
Further toxicological information:
Take the usual precautions for handling chemical products

12.Ecological information

Fishes: Lecusicus 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 communitary 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: II/C1
Correct technical name: HYDROCHLORIC ACID

Sea transport IMDG

UN: 1789
Class: 8/II
Packaging group: II
Correct technical name: HYDROCHLORIC ACID

Air transport ICAO-IATA-DGR

UN: 1789
Class: 8
Packaging group: II
Correct technical name: HYDROCHLORIC ACID
CAO: 855
PAX: 851

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.
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.

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