Qemical

QUALITY CHEMICALS

Safety Data sheet

According to Directive 1907/2006

0275 FORMIC ACID 96% 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: 0275 Product name: FORMIC ACID 96% w/w Use of the substance: Analysis and chemical-pharmaceutical production.
REACH registration Nr.: 01-2119491174-37-0000

Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología *Madrid* Tel:915620420
Chemtrec: 800-424-9300

2.Hazards identification

Labelling in accordance with directive 1907/2006

R-phrases
35 Causes severe burns.
S-phrases
23.2 Do not breath vapour.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where poss

Labelling in accordance with directive 1272/2008

H-phrases
314 Causes severe skin burns and eye damage.
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 : DANGER
CORROSIVE
R-phrases:
Causes severe burns.

3.Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.
CAS-No.: 64-18-6
Molecular Weight: 46,03
Chemical formula: HCOOH
EC-Index-No.: 607-001-00-0
EC-No.: 200-579-1
R-phrases 35
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)
Undress immediately 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
Avoid vomiting (perforation risk)
Call the doctor
Do not carry out neutralization measures

5.Fire-fighting measures

Suitable extinguishing media:
Water
Foam
Dust
Special risks:
Flammable
Keep away from ignition sources
Steam heavier than air
It forms explosive mixtures with air
In case of fire, possible formation of toxic vapors
In contact with metals, gaseous hydrogen could form (explosion risk)

6.Accidental release measures

Person-related precautionary measures:
Not to inhale steam/aerosols
Procedures for cleaning/absorption:
To gather with absorbents
To come to the elimination of the remainders
Other information:
Neutralize with diluted NaOH
Environmental protection measures:
Do not allow that the product gets to the enviroment

7.Handling and storage

Handling:
Protect from light
Contents may be under pressure
Storage:
Well closed
In well-ventilated place
Dry place.
Protected from light.
Moved away of sources of ignition and heat
Limited time of storage

8.Exposure controls/personal protection

Exposure limit control
TLV-TWA: 5 ppm; TLV-STEL: 10 ppm

Personal protective equipment:

Respiratory protection:
Necessary when steam/aerosols are generated
Hand protection:
Needed
Eye protection:
Needed
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: Spicy
Melting point: 8,4°C
Boiling point: 101°C
Ignition temperature: 50°C
Flash point: 69°C

Explosion limits: 14-33 (Vol.%)
Vapour pressure: 43 hPa (20°C)
Density (g/cm3): 1,220
Solubility: Miscible with water.
log P(ow): -1,55

10.Stability and reactivity

Substances to be avoided:
Alkaline salts.
Aluminium.
Strong oxidizing agents.
Concentrated sulfuric acid.
Nonmetallic oxides.
Nitrogen organic compounds.
Metal catalysts.
Phosphorus oxide.
Hydrogen peroxide.
Hazardous decomposition products:
Carbon monoxide.
Hydrogen.
Further information:
Heat-sensitive.
Light-sensitive.
Explosible with air in a vaporous/gaseous state.

11.Toxicological information

Acute toxicity:

LD50 (oral, rat): 1100 mg/kg.
After eye contact:
Sight disorders
Conjuctivitis
Irritation
After skin contact:
Burns
After inhalation:
Damage of respiratory tract
Very corrosive substance
Oedemas in the respiratory tract
Pneumonia
After swallowing:
Irritations of mucous membranes in the mouth
Acidosis
Burns in gastrointestinal tract
Damage of kidneys
Further toxicological information:
Take the usual precautions for handling chemical products

12.Ecological information

Fishes: Leuciscus Idus, CE0: 1000 mg/l.
Daphnia: EC50: 120 mg/l.

Algae: CE50: 100 mg/l.
Bacteria: Photobacterium phosphoreum, CE50: 7,96 mg/l.
Log P(ow): -1,55
BOD5 0,27 g/g
Biodegradability: High
Bioaccumulation: No bioaccumulation is to be expected.

Other harmful effects:

No ecological problems are to be expected when the product is handled and used with due care are attentio

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: 1779
Class: 8
Packaging group: II
Correct technical name: FORMIC ACID

Sea transport IMDG

UN: 1779
Class: 8/II
Packaging group: II
Correct technical name: FORMIC ACID

Air transport ICAO-IATA-DGR

UN: 1779
Class: 8
Packaging group: II
Correct technical name: FORMIC ACID
CAO: 855
PAX: 851

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3
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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