

Safety Data sheet

According to Directive 1907/2006

0105 ACETIC ACID GLACIAL

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: 0105 Product name: ACETIC ACID GLACIAL Use of the substance: Analysis and chemical-pharmaceutical production
REACH registration Nr.: 01-2119475328-30-0000

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

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Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

10 Flammable.
35 Causes severe burns.

S-phrases

1/2 Keep locked up and out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
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 possible)

Labelling in accordance with directive 1272/2008



H-phrases

226 Flammable liquid and vapour.
314 Causes severe skin burns and eye damage.

P-phrases

210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with
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:

Flammable.

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.: 64-19-7

Molecular Weight: 60,05

Chemical formula: CH₃COOH

EC-Index-No.: 607-002-00-6

EC-No.: 200-580-7

R-phrases 10; 35

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

4. First aid measures

After inhalation:

Fresh air

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Extract the substance by means of cotton impregnated with polietilenglicol 400

Undress immediately of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

After swallowing:

Drink several liters of water and avoid vomit (perforation risk)

Do not carry out neutralization measures

5. Fire-fighting measures

Suitable extinguishing media:

Water

Dust

Foam

Carbon dioxide

Special risks:

Combustible

Steam heavier than air

Possible formation of explosive mixtures with air

Ambient fire may liberate hazardous vapours
In case of fire, possible formation of acetic 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 subterranean 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:

To gather with absorbents

To come to the elimination of the remainders

Rinse.

Environmental protection measures:

Do not allow to enter sewerage system

Risk of explosion

7. Handling and storage

Handling:

Keep away from sources of ignition

Avoid electrostatic load

Storage:

Well closed

In well-ventilated place

Moved away of sources of ignition and heat

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 10 ppm (25 mg/m³). TLV-STEL: 15 ppm (37 mg/m³).

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Protection gloves:

Butyl rubber

Natural latex

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: Biting
pH value: 2,5 (50 g/l H₂O)
Dynamic viscosity: 1,22 mPa·s
Melting point: 17°C
Boiling point: 118°C
Ignition temperature: 485°C
Flash point: 40°C
Explosion limits: Lower: 4 Vol %. Upper: 19,9 Vol %.
Vapour pressure: 15,4 hPa
Density (g/cm³): 1,050
Solubility: Soluble (water)
log P(ow): -0,17

10. Stability and reactivity

Substances to be avoided:

Alkaline hydroxides.
Alcohols.
Halogen-halogen compounds.
Ethanolamina.
Metals.
Water.
Oxidizing agents.
Nonmetallic halides.
Aldehydes.

Hazardous decomposition products:

Fumes of acetic acid.

Further information:

Explosible with air in a vaporous/gaseous state.
Incompatible with metals.
To avoid heating.

11. Toxicological information

Acute toxicity:

LC50 (inhalation, rat): 11,4 mg/l/4h. LD50 (oral, rat): 3310 mg/ kg.

After eye contact:

Burns
Risk of blindness
Córnea disorder

After skin contact:

Burns

After inhalation:

Oedemas in the respiratory tract
Irritation of: respiratory tract

Bronchitis

Pneumonia

After swallowing:

Burns in oesophagus

Burns in the digestive tract

Bloody vomiting

Spasms

Dyspnoea

Risk of perforation in stomach

Risk of perforation in the oesophagus

Risk of aspiration upon vomiting

Shock

Cardiovascular failure

Acidosis

Damage of kidneys

Further toxicological information:

The precautions adapted for chemical agents must be observed

Strongly corrosive substance

12. Ecological information

Fishes: L.macrochirus: LC50: 75 mg/l/96h. L.idus: EC50: 410 mg/l

Daphnia: Daphnia magna: EC50: 47 mg/l/24h

Algae: Scenedesmus quadricauda: IC5: 4000 mg/l/16h

Bacteria: Photobacterium phosphoreum: EC50: 11 mg/l/15min. Pseudomonas putida: EC5: 850 mg/l/16h (neutral)

Log P(ow): -0,17

Degradability: Readily biodegradable

BOD5 0,88 g/g

Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1)

Other harmful effects:

Harmful effect due to pH shift

Harmful effect on aquatic organisms

Caustic even in diluted form

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: 2789

Class: 8 (3)

Packaging group: II

Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION

Sea transport IMDG

UN: 2789
Class: 8/II (3)
Packaging group: II
Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION

Air transport ICAO-IATA-DGR

UN: 2789
Class: 8 (3)
Packaging group: II
Correct technical name: ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION
CAO: 855
PAX: 851

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

10 Flammable.

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.