

Safety Data sheet

According to Directive 1907/2006

2525 GLYCOLIC ACID 98%

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: 2525 Product name: GLYCOLIC ACID 98% Use of the substance: Analysis and chemical-pharmaceutical production.
REACH registration Nr.: 01-2119485579-17-0000

Company/undertaking identification

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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

20 Harmful by inhalation.

34 Causes burns.

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

332 Harmful if inhaled.
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:

Harmful by inhalation.
Causes burns.

3.Composition/information on ingredients

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

CAS-No.: 79-14-1

Molecular Weight: 76,05

Chemical formula: HOCH₂COOH

EC-No.: 201-180-5

R-phrases 20; 34

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 litters of water and avoid vomit (perforation risk)

Call the doctor

Do not carry out neutralization measures

5.Fire-fighting measures

Suitable extinguishing media:

Water

Dust

Foam

Special risks:

Flammable

In case of fire, possible formation of toxic vapors

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:

Avoid contact with the substance

Avoid dust formation

Do not inhale dust

Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

To avoid the inert dust formation

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

Not to store in containers of aluminum, tin or zinc

8. Exposure controls/personal protection

Exposure limit control

MAK: 0,1 ml/m³ or 0,4 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Protection gloves:

Nitrile rubber

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: Solid

Colour: Colourless

Odour: Odourless
pH value: 2 (50 g/l H₂O)
Melting point: 76°C
Vapour pressure: 10,8 hPa
Solubility: soluble (water)
log P(ow): -1,11

10. Stability and reactivity

Substances to be avoided:

Oxidizing agents.
Reducing agents.
Sulfur.
Cyanides.
Bases.

Hazardous decomposition products:

Carbon monoxide.
Carbon dioxide.

Further information:

Strong heating (decomposition).
Hygroscopic.
Hydrogen may form upon contact with metals.
Danger of explosion.

11. Toxicological information

Acute toxicity:

LD50 (inhalation, rat): >5,2 mg/l /4 h; LD50 (oral, rat): 1938 mg/kg

After eye contact:

Burns

After skin contact:

Burns

After inhalation:

Irritations of the mucous membranes
Coughing
Dyspnoea
Bronchitis

After swallowing:

Burns in the digestive tract
Absorption

Further toxicological information:

Other dangerous characteristics are not discarded
Take the usual precautions for handling chemical products

12. Ecological information

Fishes: P. promelas LC50: 164 mg/l /96 h
Daphnia: Daphnia magna EC50: 141 mg/l /48 h
Algae: Selenastrum capricomutum IC50: 44 mg/l /72 h
Bacteria: EC0: >1000 mg/l /24 h
Log P(ow): -1,11
BOD5 0,18 g/g
TOD 0,63 g/g

Biodegradability: High

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

Other harmful effects:

Acute ecotoxicity in the dumping area

Harmful effect due to pH shift

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

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: 3261

Class: 8

Packaging group: II

Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

Sea transport IMDG

UN: 3261

Class: 8/II

Packaging group: II

Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

Air transport ICAO-IATA-DGR

UN: 3261

Class: 8

Packaging group: II

Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

CAO: 863

PAX: 859

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3

20 Harmful by inhalation.

34 Causes 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.

