

Safety Data sheet

According to Directive 1907/2006

0139 OXALIC ACID 2-HYDRATE

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: 0139 Product name: OXALIC ACID 2-HYDRATE Use of the substance: Analysis and chemical-pharmaceutical production REACH registration Nr.: 01-2119534576-33-XXXX

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

21/22 Harmful in contact with skin and if swallowed.

S-phrases

41 In case of fire and/or explosion do not breathe fumes.

Labelling in accordance with directive 1272/2008



H-phrases

312 Harmful in contact with skin.
302 Harmful if swallowed.

318 Causes serious eye damage.

P-phrases

302+352 IF ON SKIN: Wash with plenty of soap and water.

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

HARMFUL

R-phrases:

Harmful in contact with skin and if swallowed.

3. Composition/information on ingredients

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

CAS-No.: 6153-56-6

Molecular Weight: 126,07

Chemical formula: $(\text{COOH})_2 \cdot 2\text{H}_2\text{O}$

EC-Index-No.: 607-006-00-8

EC-No.: 205-634-3

R-phrases 21/22

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

Call the physician

After eye contact:

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

After swallowing:

Drink lots of water

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water

Dust

Foam

Carbon dioxide

Special risks:

Combustible

Possible formation of explosive mixtures with air

Ambient fire may liberate hazardous vapours

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:

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

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.

Storage temperature: without limits

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 1 mg/m³ TLV-STEL: 2 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

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: White

Odour: Odourless

pH value: 1 (10 g/l H₂O)

Melting point: 101°C

Boiling point: 150°C

Vapour pressure: 25 hPa

Solubility: 102 g/l (water)

log P(ow): -0,81

10. Stability and reactivity

Substances to be avoided:

Salts of oxyhalogenic acids.

Ammonia.

Oxidizing agents.

Hazardous decomposition products:

Carbon monoxide.

Carbon dioxide.

Further information:

Strong heating (decomposition).

Forms explosive mixtures with air on intense heating.

11. Toxicological information

Acute toxicity:

LD50 (dermal, rabbit): 20000 mg/kg (anhydrous). LD50 (oral, rat): 375 mg/kg (anhydrous).

After eye contact:

Irritation

Burns

After skin contact:

Irritations

Burns

Risk of cutaneous absorption

Injuries to the skin

After inhalation:

Irritations of the mucous membranes

Coughing

Dyspnoea

After long contact:

Agitation

Spasms

Nausea

Vomiting

Cardiovascular disorders

Electrolytic balance disorders

Collapse

Kidney problems

Drop in blood calcium level

After swallowing:

Irritations of pharynx

Irritations of gastrointestinal tract

Absorption

Irritations of mucous membranes in the mouth

Irritations of oesophagus

Further toxicological information:

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: *Leuciscus idus*: LC50: 160 mg/l/48h (anhydrous).

Daphnia: EC50: 137 mg/l/48h (anhydrous).
Bacteria: Photobacterium phosphoreum: EC50: 11,3 mg/l.
Log P(ow): -0,81
Degradability: Biodegradable
BOD5 0,16 g/g (anhydrous)
COD 0,18 g/g (anhydrous)
TOD 0,18 g/g (anhydrous)
Biodegradability: High
Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1).
Other harmful effects:
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: III
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

Sea transport IMDG

UN: 3261
Class: 8/III
Packaging group: III
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

Air transport ICAO-IATA-DGR

UN: 3261
Class: 8
Packaging group: III
Correct technical name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
CAO: 864
PAX: 860

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3

21/22 Harmful in contact with skin and if swallowed.

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.