

Safety Data sheet

According to Directive 1907/2006

0266 CITRIC ACID ANHYDROUS

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: 0266 Product name: CITRIC ACID ANHYDROUS Use of the substance: Analysis and chemical-pharmaceutical production. REACH registration Nr.: 01-2119457026-42-0000

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

36 Irritating to eyes.

S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling in accordance with directive 1272/2008



H-phrases

319 Causes serious eye irritation.

P-phrases

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 : WARNING
IRRITANT
R-phrases:
Irritating to eyes.

3. Composition/information on ingredients

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

CAS-No.: 77-92-9

Molecular Weight: 192,13

Chemical formula: $C_6H_8O_7$

EC-No.: 201-069-1

R-phrases 36

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 ophthalmologist

After swallowing:

Drink lots of water

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water

Carbon dioxide

Foam

Dust

Special risks:

Combustible

Ambient fire may liberate hazardous vapours

Special protective equipment for fire fighting:

Use non-generating spark manual tools

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:

Avoid dust formation

Do not inhale dust

Avoid contact with the substance

Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

8. Exposure controls/personal protection

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: 1,7 (100 g/l H₂O)

Melting point: 153°C

Ignition temperature: 345 °C

Vapour pressure: <0,1 hPa

Solubility: 1330 g/l (water)

log P(ow): -1,72

10. Stability and reactivity

Substances to be avoided:

Metals.

Bases.

Oxidizing agents.

Reducing agents.

Further information:

Possible powder explosion.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 3000 mg/kg

After eye contact:

Irritation

After skin contact:

Slight irritation symptoms

After inhalation:

Irritation of: respiratory tract

After swallowing:

Vomiting

Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: *Leuciscus idus* LC50: 440-760 mg/l /96 h

Daphnia: *Daphnia magna* EC50: 120 mg/l /72 h

Algae: *Sc. quadricauda* IC50: 640 mg/l /7 d

Bacteria: *Ps. putida* CE5: >1000 mg/l /16 h; *M. aeruginosa* CE5: 80 mg/l /8 d

Log P(ow): -1,72

BOD5 0,526 g/g

COD 0,728 g/g

TOD 0,75 g/g

Biodegradability: High

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

Other harmful effects:

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

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 disposal)

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

Sea transport IMDG

Air transport ICAO-IATA-DGR

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

36 Irritating to eyes.

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.