



Safety Data Sheet

According to Regulation (EC) 1907/2006



1043 Oxalic Acid 0,05 mol/l *(0,1N)

Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Oxalic Acid 0,05 mol/l *(0,1N)

1.2 Synonym:

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

No hazardous mixture as specified in Regulation (CE) 1272/2008.

No hazardous mixture as specified in Classification (67/548/CEE or 1999/45/CE).

Component Composition/Information

Aqueous solution

Name: Oxalic Acid 0,05 mol/l *(0,1N)

Formula: $C_2H_2O_4 \cdot 2H_2O$ M.= 126,07 CAS [6153-56-6]

EC number (EINECS): 205-634-3

Composition:

0001: Oxalic Acid 2-hydrate

Formula: $(COOH)_2 \cdot 2H_2O$ M.= 126,07 CAS [6153-56-6]

EC number (EINECS): 205-634-3

EC index number: 607-006-00-8

Content: $\leq 1 \%$

Classification Regulation (CE) n° 1272/2008.

Acute Tox. 4

Acute Tox. 4

Hazard Pictograms



Signal word

Warning

Hazard statements

H312 Harmful in contact with skin.

H302 Harmful if swallowed.

Precautionary statements

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

P322 Specific measures (see on this label).

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

Classification (67/548/CEE or 1999/45/CE).

Xn Harmful **R21/22** Harmful in contact with skin and if swallowed.

First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Go out into the fresh air.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. In the event of sickness, seek medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Incombustible.

5.4 Protective equipment:

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the fumes.

6.2 Precautions for care of the environment:

6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. Atmospheric temperature.

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-EC(C₂H₂O₄): 2 mg/m³

VLA-ED(C₂H₂O₄): 1 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry:

Odour: Odourless.

pH:

Melting point/freezing point:

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: (20/4) 1,002

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

10.3 Hazardous decomposition products:

10.4 Complementary information:

Toxicological information

- **Acute toxicity:**

LD50 oral rat : 375 mg/kg

- **Dangerous effects for health:**

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: Upon contact with the skin: irritations slight Through contact with the eyes: irritations slight If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If inhaled: Irritations to the mucosae Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC50 test (mg/l):

(For anhydrous subs.)

Fish 325 mg/l

Classification:

Highly toxic

12.2.2 - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

12.2.3 - Observations:

Acute ecotoxicity in the dumping area, depending on the dilution effect.

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

COD 0,18 g/g

BOD5/COD

Biodegradability

ThOD 0,18 g/g

High, over 1/3

(anhydrous product)

12.3.3 - Abiotic degradation depending on pH:

BOD5 (anhydrous product) 0,16 g/g

12.3.4 - Observations:

Easily biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

Non-bioaccumulable product.

12.5 Other possible effects on the environment:

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

Information concerning transport

Overland (ADR):

By sea (IMDG):

By air (ICAI-IATA):

Regulatory information

Other information

Review number and date: 3 3.11.10

Date published: 3.11.10

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.