



1136 di-Ammonium Oxalate 1-hydrate

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

1.1 Identification of the substance or preparation

Name:

di-Ammonium Oxalate 1-hydrate

Synonym:

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

2. Identification of dangers

Classification of the substance or the mixture.

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.

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

Xn Harmful

R21/22

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

3. Component Composition/Information

Name: di-Ammonium Oxalate 1-hydrate

Formula: $(\text{NH}_4)_2(\text{COO})_2 \cdot \text{H}_2\text{O}$ M.= 142,11 CAS [6009-70-7]

EC number (EINECS): 214-202-3

EC index number: 607-007-00-3

4. First aid

4.1 General indications:

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

4.2 Inhaling:

Take the person 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 (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

In the event of fire, toxic fumes may form: NH₃, NO_x, CO.

5.4 Protective equipment:

Suitable clothing and footwear.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the dust.

6.2 Precautions for care of the environment:

Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. Dry atmosphere. Room temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

: Data not available.

8.3 Respiratory protection:

If dust forms, 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. Wash hands before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: solid

Colour: White
Granulometry: N/A
Odour: Odourless.
pH: 6,3
Melting point/freezing point: 133 °C
Initial boiling point and boiling range:
N/A
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density:
N/A
Solubility: 45 g/l in water 20 °C
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: above 70 °C
Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

No specific data.

10.3 Hazardous decomposition products:

Carbon monoxide. Ammonia. Carbon dioxide.

10.4 Complementary information:

The gases/fumes can form explosive mixtures with the air.

11. Toxicological information

11.1 Acute toxicity:

: Data not available.

11.2 Dangerous effects for health:

Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: nausea vomiting anxiety spasms cardiovascular failure collapse Can cause kidney problems If dust inhaled: Irritations to the mucosae, breathing difficulties. Systemic effects: decrease of the blood calcium level kidney problems cardiovascular disorders

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Fish (ammonium) 0,3 mg/l

Classification:

Extr. toxic

Fish EC0 2 mg/l

Classification: Extr. toxic

Animals for fish food EC0 20 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

12.1.3. - Observations:

12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

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

13. 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.

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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.

14. Information concerning transport

Overland (ADR):

Technical name: TOXIC SOLID, ORGANIC, N.O.S.

UN 2811 Class: 6.1 Packaging group: III (E)

By sea (IMDG):

Technical name: TOXIC SOLID, ORGANIC, N.O.S.

UN 2811 Class: 6.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Toxic solid, organic, n.o.s.

UN 2811 Class: 6.1 Packaging group: III

Packaging instructions: CAO 677 PAX 670

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. Other information

Other precautionary statements

P322 Specific measures (see on this label).

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

Labelling (65/548/CEE or 1999/45/CE)

R-phrases: **R21/22** Harmful in contact with skin and if swallowed.

S-phrases: **S24/25** Avoid contact with skin and eyes.

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In respect of the previous review, changes have been made to the following sections: 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.