



Safety Data Sheet According to Regulation (EU) 830/2015

1669 Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate

Synonym:

Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediy-bis[N-(Carboxymethyl)Glycine]

REACH Registration Number: 01-2119486775-20-0015

1.2 Relevant identified uses of the substance or mixture:

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)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Acute Tox. 4
STOT RE 2

2.2 Label elements:

Hazard Pictograms



Signal word

Hazard statements

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P314 Get medical advice/attention if you feel unwell.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Ethylenediaminetetraacetic Acid Disodium Salt 2-hydrate

Formula: $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ M.= 372,24 CAS [6381-92-6]

EC number (EINECS): 205-358-3

REACH Registration Number: 01-2119486775-20-0015

3.2 Mixtures

4. First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Swallowing:

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

Inhaling:

Take the person out into the fresh air.

Contact with the skin:

Wash with plenty of soap and water. Remove contaminated clothing.

Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

5. Firefighting measures

5.1 Extinguishing media:

Atomized water. Alcohol resistant foam. Carbon dioxide (CO₂). Dry powder.

5.2 Special hazards arising from the substance or mixture:

In the event of fire, toxic fumes may form: NO_x. Auf Rückzündung achten

5.3 Advice for firefighters:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the dust.

6.2 Environmental precautions:

Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

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

6.4 Reference to other sections

Not applicable

7. Handling and storage

7.1 Precautions for safe handling:

Moisture-sensitive. Air-sensitive.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. Dry atmosphere.

7.3 Specific end use(s)

No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:

TWA(If inhaled): 10 mg/m³ TWA(respirable dust): 3 mg/m³ DNEL: 2,5 mg/m³
Workers Inhalation, acute (systemic), Workers Inhalation, acute (local) DNEL: 1,5 mg/m³
Population Inhalation, acute (systemic), Population Inhalation, acute (local) DNEL: Population, oral, long term (systemic) 25mg/kg/24hPNEC: Freshwater 2.5mg/lPNEC: Marine water 0.25mg/lPNEC: (intermittent unloading) 1.4mg/lPNEC: Sewage treatment plant 50mg/lPNEC: Soil 0.84mg/kg

8.2 Exposure controls

Do not inhale the dust. Ensure good ventilation and renewal of the air in the premises.

Respiratory protection:

If dust forms, use suitable respiratory protection for particles P3.

Hand protection:

Use suitable gloves, nitrile

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Wash hands before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: 4 - 5 ((50 g/l))

Melting point/freezing point: 248 - 254 °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: 100 g/l in water ()

Partition coefficient: n-octanol/water: < 0

Auto-ignition temperature: >200 °C

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

Hygroscopic.

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

The product is chemically stable under standar ambient conditions (room temperature).

10.5 Incompatible materials:

Strong oxidant agents.

10.6 Hazardous decomposition products:

Nitrogen oxides.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50 oral rat : 2.800 mg/kg

LC50 inh rat : 30 mg/m³ (5 d, 6h)

Dangerous effects for health:

Harmful to the health. There are no definite objective conclusions regarding the carcinogenic effect of this substance. No damage is anticipated to the foetus, provided the VLA values are respected (maximum admissible concentration in the workplace).

12. Environmental information

12.1 Toxicity:

Eisenia fetida (annelids) artificial soil LC50 156 mg/kg (14d)

Nicotiana tabacum (Dicotyledonae) vegetative vigour test, natural soil NOEC >0,25-<1,25 mmol/kg (21d)

Fish EC50 >300 mg/l (72h)

Daphnia magna EC50 100 mg/l

Daphnia magna NOEC 25 mg/l (21d)

Algae EC50 >300 mg/l (72h)

12.2 Persistence and Degradability :

Non-biodegradable product.

12.3 Bioaccumulative potential:

Non-bioaccumulable product.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

13. Disposal considerations

13.1 Waste treatment methods:

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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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.

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14. Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2 Chemical safety assessment

Not applicable

16. Other information

Other precautionary statements

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

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In respect of the previous review, changes have been made to the following sections: 1

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.