

Trade name: Natrii edetas

Substance number: 066148

Version: 4 / CH

Date revised: 20.05.2019

Replaces Version: 3 / CH

Print date: 20.05.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Natrii edetas

Item No. 06614800

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/preparation**

industry

1.3. Details of the supplier of the safety data sheet**Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification *****2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H332

STOT RE 2 H373

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms *******Signal word**

Warning

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.

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

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P312 comfortable for breathing.
P501.3 Call a POISON CENTRE or doctor if you feel unwell.
Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Disodium dihydrogen ethylenediaminetetraacetate

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******Disodium dihydrogen ethylenediaminetetraacetate**

CAS No.	139-33-3	
EINECS no.	205-358-3	
Registration no.	01-2119486775-20-0000	
Concentration	>= 100	%
Classification (Regulation (EC) No. 1272/2008)		
	Acute Tox. 4	H332
	STOT RE 2	H373

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove affected person from danger area. Take medical treatment. In any case show the physician the Safety Data Sheet.

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.
Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Never give anything by mouth to an unconscious person. Rinse out mouth and give plenty of water to drink. Take medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Coughing, Irritation of mucosa, Gastrointestinal complaints, Diarrhoea

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

Nitrous gases (NO_x)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

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Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Rinse away rest with water. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid dust formation. Do not inhale dust. Wear protective equipment. Keep away from heat and sources of ignition. Smoking, eating and drinking should be prohibited in application area. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	15	25	°C
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Requirements for storage rooms and vessels

Keep only in original container. Prevent unauthorized access. Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	6.1	Toxic substances

Further information on storage conditions

Keep container tightly closed, cool and dry. Protect from atmospheric moisture and water.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Do not eat or drink during work time. Do not smoke during work time. Wash hands before breaks and after work.

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Respiratory protection

Particle filter half mask, filter P2

Hand protection

Gloves

Appropriate Material

nitrile

Breakthrough time

>

8

h

Eye protection

Tightly fitting safety glasses

Body protection

protective overalls

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form**

Powder

Colour

white

Odour

odourless

pH value

Value

4

to

5

Concentration/H₂O

1

%

Initial boiling point and boiling range

Remarks

Not applicable

Flash point

Value

°C

Remarks

Not applicable

Evaporation rate

Remarks

Not applicable

Upper/lower flammability or explosive limits

Lower explosion limit

>=

40

g/m³**Solubility in water**

Value

appr. 100

g/l

Partition coefficient: n-octanol/water

log Pow

<

0

Ignition temperature

Value

>=

200

°C

Decomposition temperature

Remarks

No decomposition if used as prescribed.

Viscosity

Remarks

No data available

Explosive properties

evaluation

Not applicable

Oxidising properties

evaluation

None known

9.2. Other information**Bulk density**

Value

appr. 600

kg/m³

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Other information

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Avoid dust formation. The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

Avoid dust formation.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition productsIn the event of fire the following can be released: nitrous oxides (NO_x), Carbon monoxide and carbon dioxide**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Disodium dihydrogen ethylenediaminetetraacetate**

Species	rat		
LD50	>	2000	mg/kg

Acute inhalational toxicity

ATE	11	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	1	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalative toxicity (Components)**Disodium dihydrogen ethylenediaminetetraacetate**

	>	1	to	5	mg/l
Duration of exposure		4		h	
Administration/Form		Dust/Mist			
Method		calculated value (Regulation (EC) No. 1272/2008)			

Skin corrosion/irritation

Species	rabbit	
Duration of exposure	20	h
evaluation	non-irritant	
Method	OECD 404	
Source	IUCLID	

Serious eye damage/irritation

Species	rabbit
evaluation	non-irritant

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Method OECD 405
Source IUCLID

Sensitization

Method OECD 406
Remarks No sensitisation effect known.
Source IUCLID

Subacute, subchronic, chronic toxicity

Remarks No data available.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Disodium dihydrogen ethylenediaminetetraacetate**

Species guppy (*Poecilia reticulata*)
LC50 320 mg/l
Duration of exposure 96 h

Daphnia toxicity (Components)**Disodium dihydrogen ethylenediaminetetraacetate**

Species *Daphnia magna*
EC50 140 mg/l
Duration of exposure 48 h
Method DIN 38412

Bacteria toxicity (Components)**Disodium dihydrogen ethylenediaminetetraacetate**

Species *Pseudomonas putida*
56 mg/l

12.2. Persistence and degradability**Ready degradability**

Remarks The product is only slightly biodegradable in view of the desired stability.

Chemical oxygen demand (COD) (Components)**Disodium dihydrogen ethylenediaminetetraacetate**

Value 630 mg/g

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow < 0

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment**General information**

Not applicable

Evaluation of persistence and bioaccumulation potential (Components)**Disodium dihydrogen ethylenediaminetetraacetate**

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

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General information / ecology

Harmful to aquatic organisms. Do not allow it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany) WGK 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4
STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.