

Trade name: Natrii edetas 0.1m/Komplexon III

Substance number: 182075

Version: 2 / CH

Date revised: 15.06.2016

Replaces Version: 1 / CH

Print date: 15.06.16

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Natrii edetas 0.1m/Komplexon III  
Item No. 18207500

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

#### **Use of the substance/preparation**

Reagent for analyses

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG  
Industriestrasse 35  
9101 Herisau  
Telephone no. 0041 (0)71 353 58 58  
E-mail address of person responsible for this SDS [sdb@haenseler.ch](mailto:sdb@haenseler.ch)

### **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**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

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

#### **Supplemental information**

EUH210 Safety data sheet available on request.

### **2.3. Other hazards**

No special hazards have to be mentioned. The product does not require a hazard warning label in accordance with Directive 67/548/EC

## **SECTION 3: Composition/information on ingredients \*\*\***

### **Chemical characterization**

Mixture of the following listed substances with harmless admixtures.

### **Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\***

#### **Disodium dihydrogen ethylenediaminetetraacetate**

CAS No.	139-33-3				
EINECS no.	205-358-3				
Concentration	>= 1	<	10	%	
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 4		H332		
	STOT RE 2		H373		

Trade name: Natrii edetas 0.1m/Komplexon III

Substance number: 182075

Version: 2 / CH

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**Further ingredients****Water**

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration &gt;= 95 %

Advice: [4]

**Advice:**

[4] Voluntary information

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

Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting - aspiration hazard. By continuous complaints consult a physician.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

Extinguishing measures to suit surroundings

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

Use self-contained breathing apparatus. Wear full protective suit.

**Other information**

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

**SECTION 6: Accidental release measures**

Trade name: Natrii edetas 0.1m/Komplexon III

Substance number: 182075

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Date revised: 15.06.2016

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**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (eg sand, kieselguhr).

**6.4. Reference to other sections**

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Observe the usual precautions for handling chemicals.

**Advice on protection against fire and explosion**

No special measures required.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in a cool place.

**Hints on storage assembly**

Do not store together with foodstuffs.

**Further information on storage conditions**

Keep container tightly closed, cool and dry.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

**8.2. Exposure controls****General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Avoid contact with skin and eyes.

**Respiratory protection**

Breathing apparatus in the event of aerosol, mist or fume formation.

**Hand protection**

Protective gloves

Appropriate Material

Gloves / resistant to chemicals

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Protective clothing

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid		
<b>Colour</b>	colourless, clear		
<b>Odour</b>	odourless		
<b>Odour threshold</b>			
Remarks	not determined		
<b>pH value</b>			
Value	7		
Temperature	20	°C	
Source	Estimated value		
<b>Melting point</b>			
Value	appr. 0.0		°C
<b>Freezing point</b>			
Remarks	not determined		
<b>Initial boiling point and boiling range</b>			
Value	appr. 100		°C
Source	Estimated value		
<b>Flash point</b>			
Remarks	Not applicable		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		
<b>Flammability (solid, gas)</b>			
Not self inflammable			
<b>Upper/lower flammability or explosive limits</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	Not applicable		
<b>Vapour density</b>			
Remarks	not determined		
<b>Density</b>			
Value	appr. 1		g/cm <sup>3</sup>
Temperature	20	°C	
Source	Estimated value		
<b>Solubility in water</b>			
Remarks	miscible in all proportions		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient: n-octanol/water</b>			
Remarks	not determined		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>Viscosity</b>			

Trade name: Natrii edetas 0.1m/Komplexon III

Substance number: 182075

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Date revised: 15.06.2016

Replaces Version: 1 / CH

Print date: 15.06.16

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**9.2. Other information****Other information**

The product is not dangerous for explosions.

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

No dangerous reactions known.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**Decomposition temperature**

Remarks not determined

**10.5. Incompatible materials**

None known

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Remarks not determined

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

Species	rat		
LD50	>	2000	mg/kg

**Acute dermal toxicity**

Remarks not determined

**Acute inhalational toxicity**

ATE	>	100	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE	>	20	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

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

Duration of exposure	>	1	to	5	mg/l
Administration/Form	Dust/Mist				

Trade name: Natrii edetas 0.1m/Komplexon III

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Method calculated value (Regulation (EC) No. 1272/2008)

**Skin corrosion/irritation**

evaluation non-irritant

**Serious eye damage/irritation**

evaluation non-irritant

**Sensitization**

evaluation non-sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

Remarks not determined

**Other information**

Observe the usual precautions for handling chemicals.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****General information**

not determined

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

Species	guppy ( <i>Poecilia reticulata</i> )		
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****General information**

not determined

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

Value	630	mg/g
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**12.3. Bioaccumulative potential****General information**

Trade name: Natrii edetas 0.1m/Komplexon III

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not determined

**Partition coefficient: n-octanol/water**

Remarks not determined

**12.4. Mobility in soil****General information**

not determined

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

not determined

**12.6. Other adverse effects****General information**

not determined

**General information / ecology**

Do not allow it to reach soil, 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**

Disposal in compliance with local and national regulations.

**SECTION 14: Transport information****Land transport ADR/RID**

Non-dangerous goods

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**Air transport ICAO/IATA**

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 3

Remarks Classification according to Annex 4 VwVwS

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****R-phrases listed in Chapter 3**

20 Harmful by inhalation.

Trade name: Natrii edetas 0.1m/Komplexon III

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### 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.