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

1.1 Product identifier

<table>
<thead>
<tr>
<th>REF</th>
<th>QUANTOFIX EDTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product identifier</td>
<td>91335</td>
</tr>
<tr>
<td>Product name</td>
<td>QUANTOFIX EDTA</td>
</tr>
<tr>
<td>REACH Registration number(s):</td>
<td>see SECTION 3.1/3.2 or</td>
</tr>
<tr>
<td>A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.</td>
<td></td>
</tr>
</tbody>
</table>

1 x 100 test strips

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

- Relevant identified uses
  - Product for analytical use.
  - Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0
  - The exposure scenario is integrated into sections 1-16.
  - If CE labelling: Product for in-vitro-diagnostic use (IVD) or Accessory for medical use
  - Uses advised against
    - not described

1.3 Details of the supplier of the safety data sheet

Manufactured by:
MACHEREY-NAGEL GmbH & Co. KG
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY
Tel.: +49 2421 969 0
E-mail: msds@mn-net.com

1.4 Emergency telephone number

- Information not necessary.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

100 test strips

- Directives 1999/45/EC
  - Symbols: do not need labelling as hazardous
  - GHS pictograms: do not need labelling as hazardous
  - Signal word: -
  - No hazard class

2.2 Label elements

100 test strips

- Directives 1999/45/EC
  - Symbols:
    - -
    - S 22 Do not breathe dust.
Safety Data Sheet
according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91335 QUANTOFIX EDTA
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CLP Directive 1272/2008/EC
GHS pictograms:
do not need labelling as hazardous
Signal word: -

2.3 Other hazards
Possible Hazards from physicochemical Properties
According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC, 1999/45/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.
An individual package has considerably less hazardous potential.

SECTION 3: Composition/Information on Ingredients

3.1 Substances or 3.2 Mixtures
100 test strips

Chemical: cellulose
Concentration: 1 - <10 %
Formula: \((C_6H_{10}O_5)_n\)
REACH Reg. No.: exempt, Annex IV
EC No.: 232-674-9
RTECS: FJ5691460
TSCA Inventory: listed
KE No.: KE-05339
acc. 1999/45/EC: -
acc. CLP (GHS): not necessary

Chemical: chemicals/mixture < 1%, no declaration necessary
Concentration: 0.1 - <1 %
TSCA Inventory: all <1%
KE No.: listed
acc. 1999/45/EC: -
acc. CLP (GHS): not necessary

Chemical: PVC foil (CAS 9002-86-2)
Concentration: 95 - <100 %
TSCA Inventory: listed
acc. 1999/45/EC: -
acc. CLP (GHS): not necessary

3.3 Remarks
---

SECTION 4: First aid measures

4.1 Description of first aid measures
Place insured person out of danger zone to fresh air immediately.

4.1.1 After SKIN Contact
Not necessary. Remove dust with wetted tissue.

4.1.2 After EYE Contact
Not necessary. Rub dust with teardrops from eyes

4.1.3 After INHALATION of Vapours
Not necessary. After inhalation of dust fresh air should be inhaled.

4.1.4 After ORAL Intake
---
Safety Data Sheet
according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91335 QUANTOFIX EDTA
Printing date: 28.03.2017 Date of issue: 28.03.2017
Version: 2.4.2

SECTION 4: First aid measures

4.2 Most important symptoms and effects, both acute and delayed
Avoid inhalation of dust. ---

4.3 Indication of any immediate medical attention and special treatment needed
No additionally recommendations. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media
Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

5.2 Special hazards arising from the substance or mixture
None.

5.3 Advice for firefighters
No, for listed product. Product package burns like paper or plastic.

5.4 Additional Information
---

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not necessary.

6.2 Environmental precautions
not necessary

6.3 Methods and material for containment and cleaning up
Clean working area with water. Flush used water into drains.

6.4 Reference to other sections
---

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Handling in accordance with the test instruction, that comes with the product.

7.2 Conditions for safe storage, including any incompatibilities
The original product package of MACHEERY-NAGEL allows a safe storage.
Storage class (VCI): 11
Water hazard class (DE): 1

7.2.1 Requirements for Stock Rooms and Containers
Keep original product packages tightly closed during handling and storage.

7.3 Specific end use(s)
Product for analytical use.
If CE labelling: Product for in-vitro-diagnostic use (IVD) or Accessory for medical use

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

100 test strips
Chemical: cellulose
TRGS 900 (DE):
Staub 1.25 A / 4 E mg/m³
E/e respirable
SUVA(CH) MAK value:
3 a ppm
NIOSH:
TWA 10 (total) / 5 (resp) mg/m³
OSHA:
TWA 15 (total) / 5 (resp) mg/m³

CAS No.: 9004-34-6

www.mn-net.com
8.2 Exposure controls
Not necessary.

8.2.1 Respiratory Protection
Not necessary.

8.2.2 Hand Protection
Not necessary.

8.2.3 Eye Protection
Not necessary.

8.2.4 Skin Protection
Not necessary.

8.2.5 Personal Hygiene
Information not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

100 test strips
Appearance: solid
Color: colored
Odor: odorless

9.2 Other information
Relevant Properties of Substance Group
---

SECTION 10: Stability and reactivity

10.1 Reactivity
None

10.2 Chemical stability
No known instability.

10.3 Possibility of hazardous reactions
None.

10.4 Conditions to avoid
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10.5 Incompatible materials
Not necessary. Avoid contact with concentrated acids and oxidizing agents.

10.6 Hazardous decomposition products
In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

100 test strips

Chemical: cellulose
CAS No.: 9004-34-6

TSCA Inventory: listed
California Proposition 65 List: not listed

Exposure Routes: inhalation, skin and/or eye contact
Target Organs: Eyes, skin, respiratory system
Symptoms: irritation eyes, skin, mucous membrane
Australia NICNAS: not listed
Canada CEPA 1999: DSL yes
Japan CSl/PRTR: not listed
Japan PDSCL: not listed
Japan ISHL: not listed
South Korea TCCA: not listed
**Korea Exist.Chem.Inventory: KE-05339**

**LD50 orl rat:** >5000 mg/kg

**LC50 ihl rat:** >5800 mg/m³

**LD50 drm rbt:** >2000 mg/kg

**Chemical:** chemicals/mixture < 1%, no declaration necessary

**TSCA Inventory:** all <1%

**Korea Exist.Chem.Inventory:** listed

**Chemical:** PVC foil (CAS 9002-86-2)

**TSCA Inventory:** listed

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### SECTION 12: Ecological information

#### 12.1 Toxicity

Following information is valid for pure substances.

**100 test strips**

**Chemical:** cellulose

- Water hazard class (DE): nwg
- Storage class (VCI): 11

**Chemical:** chemicals/mixture < 1%, no declaration necessary

- Water hazard class (DE): 1
- Storage class (VCI): 12-13

**Chemical:** PVC foil (CAS 9002-86-2)

**CAS No.:** -

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#### 12.2 Persistence and degradability

not necessary

#### 12.3 Bioaccumulative potential

not necessary

#### 12.4 Mobility in soil

not necessary

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

no additional data available

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### SECTION 13: Disposal considerations

Not necessary.

#### 13.1 Waste treatment methods

**GENERAL:** Empty solids into municipal waste, empty liquids diluted into drains.

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### SECTION 14: Transport information

#### 14.1 - 14.4 Not necessary

#### 14.5 Environmental hazards

not necessary

#### 14.6 Special precautions for user

not necessary

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
SECTION 15: Regulatory Information

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

15.2 Chemical safety assessment
not necessary for these small amounts

SECTION 16: Other Information

16.1 List of R, H and P phrases

16.1.1 List of relevant R phrases

16.1.2 List of relevant H phrases

16.1.3 List of relevant P phrases

16.2 Training Advice
Regular safety training.

16.3 Recommended Restriction on Use
None

16.4 Further Information
MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. MACHEREY-NAGEL GmbH & Co. KG makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly MACHEREY-NAGEL GmbH & Co. KG will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

16.5 Sources of Key Data
Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS
Regulation 487/2013/EU, 4th adaptation of CLP regulation to technical and scientific progress
TRGS 900, German engineering rules governing limits in air at work, updated September 2016
SUVA .CH, Limits in air at work 2009, revised on 01.2009
KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

Revisions/Updates
Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU

You find our current versions of MSDS in Internet:
http://www.mn-net.com/MSDS

Version: 2.4.2