

# QUANTOFIX® Peroxide 25

en

## Pack content:

1 aluminum container with 100 test strips

## Measuring range:

Visually Reflectometrically  
0.5–25 mg/L H<sub>2</sub>O<sub>2</sub> 0.5–25 mg/L H<sub>2</sub>O<sub>2</sub>

## Color gradation:

0 · 0.5 · 2 · 5 · 10 · 25 mg/L H<sub>2</sub>O<sub>2</sub>

## Hazard warnings:

This test does not contain hazardous substances that must be labelled.

## General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

## Additional indications:

QUANTOFIX® Peroxide 25 is also suitable for the detection of peracetic acid, as well as other organic and free inorganic hydroperoxides. When detecting hydroperoxides in organic solvents, moisten the test field with 1 drop of water after evaporation/drying of the solvent.

## Instructions for use:

1. Dip the test strip into the test solution for 1 s.
2. Shake off excess liquid.
3. Wait 15 s.
4. Compare with the color scale. If hydrogen peroxide is present, the test field turns blue.

## Interferences:

If the sample solution has a pH value of 2–12, the reaction will take place without interferences. Strongly acidic solutions must be buffered with sodium acetate, and alkaline solutions with citric acid to a pH of 5–7. Only the presence of strong oxidants interferes with the determination.

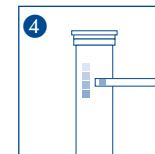
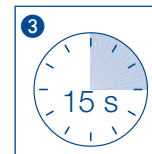
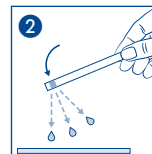
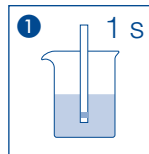
## Disposal:

Information regarding disposal can be found in the safety data sheet. You can download the SDS from [www.mn-net.com/SDS](http://www.mn-net.com/SDS).

## Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature 4–30 °C).

If correctly stored, the test strips may be used until the use-by-date printed on the packaging.



| REF | Artikelnummer / Item number / Référence produit / Referencia / Artikelnummer / Numero di catalogo / Numer artykułu  | LOT | Chargencode / Batch identification / Numéro de lot / Código de lote / Productienummer / Codice del lotto / Numer partii  |
|-----|---|-----|--|
|     | Achtung! / Warning! / Attention! / ¡Atención! / Let op! / Attenzione! / Uwaga!  |     | Verwendbar bis / Use by / À utiliser avant / Fecha de caducidad / Te gebruiken tot / Utilizzare entro (anno / mese) / Przydatność do użycia  |
|     | Temperaturbegrenzung / Permitted storage temperature range / Limites de température / Limites de temperatura / Temperaturbegrenzung / Limite de temperatura / Ograniczenie temperatury  |     | Trocken aufbewahren / Store in a dry place / Conserver au sec / Mantener seco / Op een droge plaats bewaren / Mantenere asciutto / Przechowywać w suchym miejscu   |
|     | Gebrauchsanweisung beachten / Please read instructions for use / Respecter les instructions d'utilisation / Obsérvense las instrucciones de uso / Lees de bijsluiter / Consultare le istruzioni per l'uso / Przestrzegać instrukcję użycia  |     | Packung geschlossen halten / Keep container closed / Refermer la boîte / Mantenga el envase cerrado / Verpakking gesloten houden / Conservare la confezione chiusa / Przechowywać pojemnik szczelnie zamknięty |
|     | Ausreichend für <n> Prüfungen / Contains sufficient for <n> tests / Contenu suffisant pour <n> tests / Contenido suficiente para <n> tests / Voldoende voor <n> tests / Contenuto sufficiente per <n> test / Wystarczająco dla kontroli <n> |     |  |

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91319

QUANTOFIX Peroxide 25

Page: 1/6

Printing date: 15.11.2021

Date of issue: 14.02.2019

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

### 1.1 Product identifier

REF 91319  
 Product name QUANTOFIX Peroxide 25

REACH Registration number(s): see SECTION 3.1/3.2 or  
 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.

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  
 Valencienner Str. 11, 52355 Düren, GERMANY  
 Tel.: +49 2421 969 0  
 E-mail: sds@mn-net.com (msds@mn-net.com)

### 1.4 Emergency telephone number

Information not necessary.

You find our current versions of SDS (22 languages) in Internet: <http://www.mn-net.com/SDS>

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture

**100 test strips**  
 Do not need labelling as hazardous  
 Signal word -  
 No hazard class

### 2.2 Label elements

**100 test strips**  
 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 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. ---

**Information pertaining to particular risks to human and possible symptoms**  
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**Information pertaining to particular risks to the environment**

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

|                           |                           |           |
|---------------------------|---------------------------|-----------|
| REF: 91319                | QUANTOFIX Peroxide 25     | Page: 2/6 |
| Printing date: 15.11.2021 | Date of issue: 14.02.2019 |           |

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**Other hazards**  
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## SECTION 3: Composition/information on ingredients

### 3.1 Substances or 3.2 Mixtures

**100 test strips**

|  |                    |
|--|--------------------|
| Chemical: <i>cellulose</i>   | CAS No.: 9004-34-6 |
| Classification: No criteria for classification or naming of chemical not required. |                    |
| Formula: $(C_6H_{10}O_5)_n$  |                    |
| TSCA Inventory: listed   |                    |
| REACH Reg. No.: exempt, Annex IV   |                    |
| EC No.: 232-674-9  |                    |
| RTECS: FJ5691460   |                    |
| KE No.: KE-05339   |                    |
| Concentration: 1 - <10 %   |                    |
| acc. CLP (GHS): The criteria for classification are not fulfilled.                 |                    |
| <br>   |                    |
| Chemical: <i>chemicals/mixture &lt; 1%</i>   | CAS No.: -         |
| Classification: No criteria for classification or naming of chemical not required. |                    |
| TSCA Inventory: all listed, <1%  |                    |
| KE No.: listed   |                    |
| Concentration: 0.1 - <1 %  |                    |
| acc. CLP (GHS): The criteria for classification are not fulfilled.                 |                    |
| <br>   |                    |
| Chemical: <i>PVC foil (CAS 9002-86-2)</i>  | CAS No.: -         |
| Classification: No criteria for classification or naming of chemical not required. |                    |
| TSCA Inventory: listed   |                    |
| Concentration: 95 - <100 %   |                    |
| acc. CLP (GHS): The criteria for classification are not fulfilled.                 |                    |

### 3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

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## 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**  
Remove dust with wetted tissue. Not necessary.
- 4.1.2 **After EYE Contact**  
Rub dust with teardrops from eyes Not necessary.
- 4.1.3 **After INHALATION of vapours**  
Not necessary. After inhalation of dust fresh air should be inhaled. ---
- 4.1.4 **After ORAL Intake**  
Not necessary. ---

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

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### 4.3 Indication of any immediate medical attention and special treatment needed

No additionally recommendations. ---



# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91319

QUANTOFIX Peroxide 25

Page: 3/6

Printing date: 15.11.2021

Date of issue: 14.02.2019

## 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

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## 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

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## 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 MACHEREY-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*

CAS No.: 9004-34-6

TRGS 900 (DE): Staub 1.25 A / 4 E mg/m<sup>3</sup>  
E/e respirable

SUVA(CH) MAK value: 3 a ppm

NIOSH: TWA 10 (total) / 5 (resp) mg/m<sup>3</sup>

[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: TWA 15 (total) / 5 (resp) mg/m<sup>3</sup>

Chemical: *chemicals/mixture < 1%*

CAS No.: -

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

CAS No.: -

### 8.2 Exposure controls

Not necessary.

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91319

QUANTOFIX Peroxide 25

Page: 4/6

Printing date: 15.11.2021

Date of issue: 14.02.2019

- 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

Colour: colored

Odor: odorless

### 9.2 Other information

Relevant Properties of Substance Group

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## 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

Not known. ---

### 10.5 Incompatible materials

Not known. 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:                   | <i>cellulose</i>                       | 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 CSCL/PRTR:            | not listed, Japan PDSCL: not listed    |                                 |            |
| Japan ISHL:                 | not listed                             |                                 |            |
| South Korea TCCA:           | not listed                             |                                 |            |
| Korea Exist.Chem.Inventory: | KE-05339                               |                                 |            |
| LD50 <sub>orl rat</sub> :   | >5000 mg/kg                            |                                 |            |
| LC50 <sub>ihl rat</sub> :   | >5800 <sub>4h</sub> mg/m <sup>3</sup>  |                                 |            |
| LD50 <sub>drm rbt</sub> :   | >2000 mg/kg                            |                                 |            |

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91319 QUANTOFIX Peroxide 25 Page: 5/6  
 Printing date: 15.11.2021 Date of issue: 14.02.2019

Chemical: *chemicals/mixture < 1%* CAS No.: -  
 TSCA Inventory: all listed, <1%  
 Korea Exist.Chem.Inventory: listed

Chemical: *PVC foil (CAS 9002-86-2)* CAS No.: -  
 TSCA Inventory: listed

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 100 test strips

Chemical: *cellulose* CAS No.: 9004-34-6  
 Water hazard class (DE): nwg  
 Storage class (VCI): 11

Chemical: *chemicals/mixture < 1%* CAS No.: -  
 Water hazard class (DE): 1  
 Storage class (VCI): 12-13

Chemical: *PVC foil (CAS 9002-86-2)* CAS No.: -

### 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

## SECTION 13: Disposal considerations

Not necessary.

### 13.1 Waste treatment methods

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

## SECTION 14: Transport information

14.1 - 14.4 Not necessary

### 14.5 Environmental hazards

none

### 14.6 Special precautions for user

not necessary

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

not applicable

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 91319

QUANTOFIX Peroxide 25

Page: 6/6

Printing date: 15.11.2021

Date of issue: 14.02.2019

## SECTION 15: Regulatory information

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

German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on August 2013  
 German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on November 2010, according to Directive 98/24/EC  
 MN Leaflet/User manual, also see [www.mn-net.com](http://www.mn-net.com)  
 Look for your country-specific regulations.

### 15.2 Chemical safety assessment

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## SECTION 16: Other information

### 16.1 List of H and P phrases

#### 16.1.1 List of relevant H phrases

#### 16.1.2 List of relevant P phrases

### 16.2 Training advice

Regular safety training.

### 16.3 Recommended restriction on use

None

### 16.4 Further information

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### 16.5 Sources of key data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS  
 Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
 Regulation 669/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
 Regulation 1480/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
 Regulation 849/2021/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
 TRGS 900, German engineering rules governing limits in air at work, updated 03/2019  
 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