

Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 1/6

1 Identification of the Substance/Mixture and of the Company

1.1 Product identifier

REF 91321
 Product name QUANTOFIX Chloride / 100
 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.

2 Hazard Identification

2.0 Classification of the complete product

Directive 1999/45/EC

Symbols -
 R -

CLP Directive 1272/2008/EC

GHS pictograms -

2.1 Classification of the substance(s) or mixture(s)

100 test strips

Directive 1999/45/EC

Symbols - do not need labelling as hazardous

CLP Directive 1272/2008/EC

GHS pictograms do not need labelling as hazardous
 Signal word -

No hazard class

2.2 Label elements

100 test strips

Directive 1999/45/EC

Symbols:
 -
 -

S 22

Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 2/6

Do not breathe dust.

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.

Information pertaining to particular Risks to Human and possible Symptoms

Information pertaining to particular Risks to the Environment

Other Hazards

3 Composition/Information on Ingredients

3.1 Substances or 3.2 Mixtures

100 test strips

Chemical:	<i>cellulose</i>	CAS No.:	9004-34-6
Concentration:	1 - 10 %		
Formula:	(C ₆ H 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:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.:	-
Concentration:	0,1 - 1 %		
KE No.:	listed		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary

Chemical:	<i>PVC foil (CAS 9002-86-2)</i>	CAS No.:	-
Concentration:	95 - 100 %		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary

3.3 Remarks

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

Not necessary.

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

Material Safety Data Sheet

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Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 3/6

4.3 Indication of any immediate medical attention and special treatment needed

No additionally recommendations.

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

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Not necessary.

6.2. Environmental precautions

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

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 (German chemical industry): see chapter 12.1

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)

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/m³
E/e respirable

SUVA(CH) MAK value: 3 a ppm

Australia NICNAS: not listed

Canada CEPA 1999: DSL yes

Japan CSCL/PRTR: not listed

Japan ISHL: not listed

Japan PDSCL: not listed

South Korea TCCA: not listed

Korea Exist.Chem.Inventory: KE-05339

TSCA Inventory: listed

California Proposition 65 List: not listed

NIOSH: not listed

OSHA: not listed

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

CAS No.: -

Korea Exist.Chem.Inventory: listed

Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 4/6

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

CAS No.: -

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.

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

9.2.1

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10 Stability and Reactivity

10.1 Reactivity

no data available

10.2. Chemical stability:

no data available

10.3. Possibility of hazardous reactions:

no data available

10.4. Conditions to avoid

Not necessary. When indicated in packing insert.

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.

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

LD50_{orl rat} : >5000 mg/kg

LC50_{ihl rat} : >5800_{4h} mg/m³

LD50_{drm rbt} : >2000 mg/kg

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

CAS No.: -

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

CAS No.: -

Material Safety Data Sheet

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Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 5/6

12 Ecological information

12.1 Toxicity

12.2. Persistence and degradability:	no data available
12.3. Bioaccumulative potential:	no data available
12.4. Mobility in soil:	no data available
12.5. Results of PBT and vPvB assessment:	no data available
12.6. Other adverse effects:	no data available

12.1. Following information is valid for pure substances.

100 test strips

Chemical:	<i>cellulose</i>	CAS No.:	9004-34-6
WGK (DE):	nwg		
Storage class (VCI):	11		
Chemical:	<i>chemicals/mixture < 1%, no declaration necessary</i>	CAS No.:	-
WGK (DE):	1		
Chemical:	<i>PVC foil (CAS 9002-86-2)</i>	CAS No.:	-

13 Disposal Considerations

Not necessary.

13.1 Waste treatment methods

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

14 Transport Information

Not necessary

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

16 Other Information

16.1 List of R and H phrases

16.1.1 List of relevant R phrases

16.1.2 List of relevant H phrases

16.2 Training Advice

Regular safety training.

16.3 Recommended Restriction on Use

Only for professional user.

An individual package of this product or test kit has a moderate hazardous potential.

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.

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Material Safety Data Sheet

according to Directive 1907/2006/EC (REACH) and 453/2010/EU

Printing date: 06.02.2015

Date of issue: 27.11.2014

Page: 6/6

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 February 2014
SUVA .CH, Limits in air at work 2009, revised on 01.2009
KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

16.6 Revisions/Updates

Reason for Revision: 2014-02 Corrected structure of sections acc. regulation 453/2010/EU, if necessary
2014-04 Adaptation of regulation 487/2013/EU

You find our current versions of MSDS in Internet:

<http://www.mn-net.com/MSDS>