

# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150

pH-Fix 6.0-7.7

Page: 1/6

Printing Date: 14.02.2020

Date of Issue: 06.06.2018

### Section 1: Identification

#### 1.1 Product Identifier / Product Name

REF	92150
Product Name	pH-Fix 6.0-7.7
-	1 x 100 Indicator sticks

#### 1.2 Relevant identified Uses of the Substance or Mixture and Uses advised against

##### Relevant identified uses

Product for Analytical Use.

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 and of the Safety Data Sheet

##### Manufactured by:

MACHEREY-NAGEL GmbH & Co. KG  
 Neumann-Neander-Str. 6-8, 52355 Düren, GERMANY  
 Tel.: +49 2421 969 0

E-mail: [sds@mn-net.com](mailto:sds@mn-net.com) ([msds@mn-net.com](mailto: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(s) Identification

#### 2.1 Classification of the Substance(s) or Mixture(s)

100 Indicator sticks

Do not need labelling as hazardous

Signal Word

No Hazard Class

#### 2.2 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

100 Indicator sticks

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 GHS directives and EC regulations 1272/2008/EC, 1907/2006/EC for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in any one 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

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##### Other Hazards

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# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150

pH-Fix 6.0-7.7

Page: 2/6

Printing Date: 14.02.2020

Date of Issue: 06.06.2018

### Section 3: Composition/Information on Ingredients

#### 3.1 Substances or 3.2 Mixtures

##### 100 Indicator sticks

Chemical: *cellulose*

CAS No.: 9004-34-6

Classification: No criteria for classification or naming of chemical is not required.

Chemical Formula:  $(C_6 H_{10} O_5)_n$ 

TSCA Inventory: listed

RTECS: FJ5691460

EC No.: 232-674-9

Weight Percent: 1 - &lt;10 %

acc. GHS: The criteria for classification are not fulfilled.

Chemical: *indicator dye(s)*

CAS No.: -

Classification: No criteria for classification or naming of chemical is not required.

TSCA Inventory: all listed, &lt;1%

Weight Percent: 0,01 - &lt;0,1 %

acc. GHS: The criteria for classification are not fulfilled.

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

CAS No.: -

Classification: No criteria for classification or naming of chemical is not required.

TSCA Inventory: listed

Weight Percent: 95 - &lt;100 %

acc. GHS: The criteria for classification are not fulfilled.

#### 3.3 Remarks

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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

##### 4.1.3 After INHALATION of Vapors

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. ---

### Section 5: Fire-Fighting Measures

#### 5.1 Extinguishable 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 WATER FOG, WATER SPRAY, alcohol-resistant FOAM, DRY CHEMICAL, 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.

# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150	pH-Fix 6.0-7.7	Page: 3/6
Printing Date: 14.02.2020	Date of Issue: 06.06.2018	

### 5.4 Additional Information

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## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedure

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 sewer.

### 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): nwg

#### 7.2.1 Conditions for Safe Storage, including any Incompatibilities

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 Indicator sticks

Chemical: cellulose

CAS No.: 9004-34-6

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: indicator dye(s)

CAS No.: -

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/Face Protection

Not necessary.

#### 8.2.4 Skin Protection

Not necessary.

#### 8.2.5 Hygiene Measures

Information not necessary.

# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150

pH-Fix 6.0-7.7

Page: 4/6

Printing Date: 14.02.2020

Date of Issue: 06.06.2018

### Section 9: Physical and Chemical Properties

#### 9.1 Information on Basic Physical and Chemical Properties

##### 100 Indicator sticks

a) Appearance: solid	Color: colored	b) Odor: odorless
c) Odor Threshold:	data not available	
d) pH:	data not available	
e) Melting Point:	data not available	
f) Boiling Point:	data not available	
g) Flash Point:	data not available	
h) Evaporation Rate <sub>(ether=1)</sub> :	data not available	
i) Flammability (solid, gas):	data not available	
j) Explosive Limits:	data not available	
k) Vapor Pressure (68°F):	data not available	
l) Vapor Density <sub>(air=1)</sub> :	data not available	
m) Specific Gravity:	data not available	
n) Soluble in Water:	data not available	
o) Partition Coefficient (o-w):	data not available	
p) Autoignition Temperature:	data not available	
q) Decomposition temperature:	data not available	
r) Viscosity:	data not available	
s) Explosive properties:	data not available	
t) Oxidizing properties:	---	

#### 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 necessary. Only avoid contact with concentrated acids. --

#### 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 chemicals.

##### 100 Indicator sticks

Chemical:	<i>cellulose</i>	CAS No.: 9004-34-6
TSCA Inventory:	listed	California Prop. 65 List: not listed
Exposure Routes:	inhalation, skin and/or eye contact	
Target Organs:	Eyes, skin, respiratory system	
Symptoms:	irritation eyes, skin, mucous membrane	
Canada CEPA 1999:	DSL yes	
LD50 <sub>orl rat</sub> :	>5000 mg/kg	
LC50 <sub>4h rat</sub> :	>5800 <sub>4h</sub> mg/m <sup>3</sup>	
LD50 <sub>drm rbt</sub> :	>2000 mg/kg	

# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150	pH-Fix 6.0-7.7	Page: 5/6
Printing Date: 14.02.2020	Date of Issue: 06.06.2018	

Chemical:	<i>indicator dye(s)</i>	CAS No.: -
TSCA Inventory:	all listed, <1%	
Chemical:	<i>PVC foil (CAS 9002-86-2)</i>	CAS No.: -
TSCA Inventory:	listed	

## Section 12: Ecological Information

### 12.1 Toxicity

Following information is valid for pure chemicals.

#### 100 Indicator sticks

Chemical:	<i>cellulose</i>	CAS No.: 9004-34-6
Chemical:	<i>indicator dye(s)</i>	CAS No.: -
Chemical:	<i>PVC foil (CAS 9002-86-2)</i>	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

## Section 15: Regulatory Information

### 15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

#### U.S. Federal Regulations

OSHA "A Guide to The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"  
<https://www.osha.gov/dsg/hazcom/ghs.html>  
 29 CFR 1910.1200 Hazard communication.  
 MN Leaflet/User manual, also see [www.mn-net.com](http://www.mn-net.com)

### 15.2 Chemical Safety Assessment

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# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 92150

pH-Fix 6.0-7.7

Page: 6/6

Printing Date: 14.02.2020

Date of Issue: 06.06.2018

### Section 16: Other Information

#### 16.1 List of Hazard and Precaution 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

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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#### 16.5 Sources of Key Data

GHS: EU Regulation 1272/2008/EC on Classification, Labelling and Packaging of Substances and Mixtures, amending and repealing EU Directives 67/548/EEC and 1999/45/EC, and amending EU Regulation 1907/2006/EC

SDS: EU Regulation 453/2010/EU REACH - Requirements for the Compilation of Safety Data Sheets  
KÜHN, BIRETT (German), Data Sheets of Hazardous Substances

#### Revisions/Updates

Reason for Revision: 2016-03 Adaptation of European Regulation 1221/2015/EU

You find our current Versions of SDS in Internet:

<http://www.mn-net.com/SDS> [U.S. English]