MACHEREY-NAGEI



Safety Data Sheet

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

| REF: 92137 | pH-Fix indicator sticks pH 4.0 - 7.0/100 | Page: 1/6 |
|---------------------------|--|-----------|
| Printing date: 12.05.2021 | Date of issue: 06.06.2018 | |

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

| 1.1 | Product identifier | |
|-----|---|--|
| | REF Product name | 92137 pH-Fix indicator sticks pH 4.0 - 7.0/100 |
| | | |
| | REACH Registration number(s): A registration number for the sut the substance or its use is exclu | see SECTION 3.1/3.2 or stance(s) does not exist because the annual tonnage does not require registration or ded from registration. |
| | | 1 x 100 Indicator sticks |
| 1.2 | Relevant identified uses of tl | ne substance or mixture and uses advised against |
| | Relevant identified uses | |
| | | fication according REACh, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0 |
| | | integrated into sections 1-16. -diagnostic use (IVD) or Accessory for medical use |
| | Uses advised against not described | 5 () , |
| | not described | |
| 1.3 | Details of the supplier of the | safatu data shaat |
| 1.0 | Manufactured by: | |
| | MACHEREY-NAGEL GmbH & Co Valencienner Str. 11, 52355 Düre | |
| | Tel.: +49 2421 969 0 | E-mail: sds@mn-net.com (msds@mn-net.com) |
| 1.4 | Emergency telephone numb | er |
| | Information not necessary. | |
| | You find our current versions of SDS (22 la | anguages) in Internet: http://www.mn-net.com/SDS |
| SEC | TION 2: Hazard identification | on |
| 2.1 | Classification of the substan | ce or mixture |
| | 100 Indicator sticks | |
| | | Do not need labelling as hazardous |
| | Signal word | - |
| | No hazard class | |
| 2.2 | Label elements | |
| | 100 Indicator sticks | |
| | Do not need labelling as Signal word: - | hazardous |
| 2.3 | Other hazards | |
| | Dessible bererds from abysics | abamical properties |

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

Information pertaining to particular risks to the environment

ACHEREY-NAGE (MN> ISO 9001 CERTIFIEI

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

+1 484 821 0984 +1 484 821 1272 E-mail: sales-us@mn-net.com



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

REF: 92137 Printing date: 12.05.2021 pH-Fix indicator sticks pH 4.0 - 7.0/100 Date of issue: 06.06.2018

Page: 2/6

Other hazards

SECTION 3: Composition/information on ingredients

Substances or 3.2 Mixtures 3.1

100

| Indica | ator sticks | | |
|--------|--------------------|--|--------------------|
| | Chemical: cellulos | Se la | CAS No.: 9004-34-6 |
| | Classification: | No criteria for classification or naming of chemical not required. | |
| | Formula: | (C ₆ H 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 % | |
| 6 | acc. CLP (GHS): | The criteria for classification are not fulfilled. | |
| | | | |
| | | or dye(s) | CAS No.: - |
| | Classification: | No criteria for classification or naming of chemical not required. | |
| | | | |
| | Concentration: | | |
| é | acc. CLP (GHS): | The criteria for classification are not fulfilled. | |
| (| Chemical: PVC fo | il (CAS 9002-86-2) | CAS No.: - |
| | Classification: | No criteria for classification or naming of chemical not required. | |
| 1 | TSCA Inventory: | listed | |
| | , | 95 - <100 % | |
| é | acc. CLP (GHS): | The criteria for classification are not fulfilled. | |
| | | | |
| | | | |

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 Remove dust with wetted tissue. 4.1.2 After EYE Contact Rub dust with teardrops from eyes 4.1.3 After INHALATION of vapours After inhalation of dust fresh air should be inhaled. ---4.1.4 After ORAL Intake 4.2 Most important symptoms and effects, both acute and delayed 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

ACHEREY-NAGE <mn> ISO 9001 CERTIFIEI

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

| REF: 92137 | pH-Fix indicator sticks pH 4.0 - 7.0/100 | Page: 3/6 |
|---------------------------|--|-----------|
| Printing date: 12.05.2021 | Date of issue: 06.06.2018 | |

None.

- 5.3 Advice for firefighters No, for listed product. Product package burns like paper or plastic. Additional information
- 5.4

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- 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 MACHEREY-NAGEL allows a safe storage. Storage class (VCI): 11 Water hazard class (DE): nwg
- 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

Control parameters 8.1

| 100 Indicator sticks Chemical: <i>cellulos</i> TRGS 900 (DE): | | CAS No.: 9004-34-6 |
|--|---|---|
| SUVA(CH) MAK valu NIOSH: [TWA] Time-weig | e: 3 a ppm TWA 10 (total) / 5 (resp) mg/m³ hted 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/m³ | |
| Chemical: indicate | or dye(s) | CAS No.: - |
| Chemical: PVC for | oil (CAS 9002-86-2) | CAS No.: - |
| Exposure controls Not necessary. | | |
| Respiratory protecti | ion | |

8.2.1 spiratory protection Not necessary. 8.2.2 Hand protection

Not necessary.

8.2.3 Eye protection

8.2

www.mn-net.com

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany MACHEREY-NAGE DE/international: CH: FR: US: <mn> Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 ISO 9001 CERTIFIED Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

| REF: 9 | 2137 | pH-Fix indicator st | cks pH 4.0 - 7.0/100 Pa | age: 4/6 |
|---|--|------------------------------------|--|----------|
| Printing | date: 12.05.2021 | Date of issue: 06.0 | 6.2018 | |
| | Not necessary. | | | |
| 8.2.4 | Skin protection Not necessary. | | | |
| 8.2.5 | Personal hygiene Information not necessary. | | | |
| SECT | ION 9: Physical and ch | emical properties | | |
| 9.1 Information on basic physical and chemical properties | | | | |
| | 100 Indicator sticks Appearance: solid | Colour: colored | Odor: odorless | |
| 9.2 | Other information Relevant Properties of Substan | ce Group | | |
| SECT | ION 10: Stability and re | eactivity | | |
| 10.1 | Reactivity None | | | |
| 10.2 | Chemical stability No known instability. | | | |
| 10.3 | Possibility of hazardous None. | reactions | | |
| 10.4 | Conditions to avoid Not known | | | |
| 10.5 | Incompatible materials Not known. Avoid contact with cor | ncentrated acids and oxidizing age | nts. | |
| 10.6 | Hazardous decompositio In the original package all parts/al period under recommended condi | I reagents are safety and separate | stored. Decompositions are not observed during the expirat | ion |
| SECT | ION 11: Toxicological i | nformation | | |
| 11.1 | Information on toxicologi Following information is valid fo | | | |

100 Indicator sticks

| Chemical: c | cellulose | | CAS No.: 9004-34-6 |
|---------------------------|---------------------------|------------------------------------|--------------------|
| TSCA Inventory: | listed | California Proposition 65 List: no | ot listed |
| Exposure Routes: | inhalation, skin and/o | r eye contact | |
| Target Organs: | Eyes, skin, respirator | y system | |
| Symptoms: | irritation eyes, skin, n | nucous membrane | |
| Australia NICNAS: | not listed | Canada CEPA 1999: DS | SL yes |
| Japan CSCL/PRTR: | not listed, Japan PDS | SCL: not listed | |
| Japan ISHL: | not listed | | |
| South Korea TCCA: | not listed | | |
| Korea Exist.Chem.Inve | entory: KE-05339 | | |
| LD50 _{orl rat} : | >5000 mg/kg | | |
| LC50 _{ihl rat} : | >5800 _{4h} mg/m³ | | |
| LD50 _{drm rbt} : | >2000 mg/kg | | |
| | | | |
| Chemical: i | indiantar dua(a) | | CAS No.: - |
| •••••• | indicator dye(s) | | CA3 NU |
| TSCA Inventory: | all listed, <1% | | |



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany US: DE/international: CH: FR: +41 62 388 55 00 +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 +49 24 21 969-199 Fax: Fax: Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

| REF: 9 Printine | 2137 g date: 12.05.2021 | pH-Fix indicator sticks pH Date of issue: 06.06.2018 | - | ge: 5/6 |
|--------------------|--|--|---|---------|
| | | PVC foil (CAS 9002-86-2) listed | CAS No.: - | |
| SECI | ION 12: Ecologica | information | | |
| 12.1 | Toxicity | | | |
| | | valid for pure substances. | | |
| | 100 Indicator sticks Chemical: Water hazard clas Storage class (VC | | CAS No.: 9004-34-6 | |
| | Chemical: Storage class (VC | indicator dye(s) CI): 12-13 | CAS No.: - | |
| | Chemical: | PVC foil (CAS 9002-86-2) | CAS No.: - | |
| 12.2 | Persistence and dec not necessary | yradability | | |
| 12.3 | Bioaccumulative po not necessary | tential | | |
| 12.4 | Mobility in soil not necessary | | | |
| 12.5 | Results of PBT and no data available | vPvB assessment | | |
| 12.6 | Other adverse effect no additional data available | | | |
| SECT | FION 13: Disposal c | onsiderations | | |
| Ν | lot necessary. | | | |
| 13.1 | Waste treatment me GENERAL: Empty solids ir | thods to municipal waste, empty liquids diluted into dra | ins. | |
| SECT | ION 14: Transport | information | | |
| 1 | 4.1 - 14.4 Not necessary | | | |
| 14.5 | Environmental haza | rds | | |
| 14.6 | Special precautions not necessary | for user | | |
| 14.7 | Transport in bulk ac not applicable | cording to Annex II of MARPOL and | the IBC Code | |
| SECT | ION 15: Regulatory | / information | | |
| 15.1 | German act governing prot | ection from hazardous substances (Chemicals A | specific for the substance or mixture ct / Chemikaliengesetz- ChemG), revised on August 20 on Hazardous Substances / Gefahrstoffverordnung - | 13 |

Look for your country-specific regulations. 15.2 Chemical safety assessment

GefStoffV), revised on November 2010, according to Directive 98/24/EC

MN Leaflet/User manual, also see www.mn-net.com

www.mn-net.com

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany MACHEREY-NAGE US: DE/international: CH: FR: $\langle MN \rangle$ +41 62 388 55 00 Tel.: +49 24 21 969-0 Tel.: Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 ISO 9001 CERTIFIED +49 24 21 969-199 +41 62 388 55 05 Fax: Fax: Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

 REF: 92137
 pH-Fix indicator sticks pH 4.0 - 7.0/100
 Page: 6/6

 Printing date: 12.05.2021
 Date of issue: 06.06.2018
 Page: 6/6

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

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 Regulation 669/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress Regulation 1480/2018/EU, 4th 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

