MACHEREY-NAGEL



Safety Data Sheet

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

REF: 92111	pH-Fix 0-14 PT	Page: 1/6
Printing date: 09.05.2017	Date of issue: 28.03.2017	

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

1.1	Product identifier REF Product name REACH Registration number(s):	92111 pH-Fix 0-14 PT see SECTION 3.1/3.2 or
	A registration number for the substance or its use is exclude	tance(s) does not exist because the annual tonnage does not require registration or ad from registration.
		1 x 100 Indicator sticks
1.2	Relevant identified uses Product for analytical use. Exposure Scenario Classific The exposure scenario is in	e substance or mixture and uses advised against cation according REACh, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0 tegrated into sections 1-16. diagnostic use (IVD) or Accessory for medical use
1.3	Details of the supplier of the s Manufactured by: MACHEREY-NAGEL GmbH & Co. Neumann-Neander-Str. 6-8, 52355 Tel.: +49 2421 969 0	KG
1.4	Emergency telephone number Information not necessary.	r
	You find our current versions of SDS (22 lan	guages) in Internet: http://www.mn-net.com/MSDS
SECTI	ON 2: Hazard identificatio	n
2.1	Classification of the substanc	e or mixture
	100 Indicator sticks	
	Directive 1999/45/EC	
	Symbols	- do not need labelling as hazardous
	CLP Directive 1272/2008/EC	
	GHS pictograms Signal word	do not need labelling as hazardous -
	No hazard class	
2.2	Label elements	
	100 Indicator sticks	
	Directive 1999/45/EC Symbols: -	
	-	



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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

SECTION 3: Composition/Information on Ingredients

3.1 Substances or 3.2 Mixtures

100 Indicator sticks Chemical: cellulo Concentration: Formula: REACH Reg. No.: EC No.: RTECS: TSCA Inventory: KE No.:	se 1 - <10 % (C ₆ H ₁₀ O ₅) _n exempt, Annex IV 232-674-9 FJ5691460 listed KE-05339		CAS No.: 9004-34-6
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary
Chemical: <i>indica</i> Concentration: TSCA Inventory:	tor dye(s) 0,01 - <0,1 % all <1%		CAS No.: -
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary
Concentration:	oil (CAS 9002-86-2) 95 - <100 % listed		CAS No.: -
TSCA Inventory: 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

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Printin	g date: 09.05.2017	Date of issue: 28.03.2017	
4.1.3	After INHALATION of Va Not necessary. After inhala	bours ation of dust fresh air should be inhaled.	
4.1.4	After ORAL Intake Not necessary.		
4.2	Most important sympto Avoid inhalation of dust	ms and effects, both acute and delayed	
4.3	Indication of any imme No additionally recommendatio	diate medical attention and special treatment ne	eeded
SEC	FION 5: Firefighting m	easures	
5.1		o the fire classification, and, if applicable, a fire blanket must be ∋ FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE	
5.2	Special hazards arising None.	from the substance or mixture	
5.3	Advice for firefighters No, for listed product. Product	backage burns like paper or plastic.	
5.4	Additional Information		
SEC	ION 6: Accidental rel	ease measures	
6.1	Personal precautions, Not necessary.	protective equipment and emergency procedure	es
6.2	Environmental precaut	ons	
6.3	Methods and material f	or containment and cleaning up Flush used water into drains.	
6.4	Reference to other sect	ions	
SEC	ION 7: Handling and	storage	
7.1	Precautions for safe ha	ndling e test instruction, that comes with the product.	
7.2	Conditions for safe sto	rage, including any incompatibilities f MACHEREY-NAGEL allows a safe storage. 11 nwg	
7.2.1	Requirements for Stock	-	
7.3	Specific end use(s) Product for analytical use. If CE labelling: Product for in-vi	tro-diagnostic use (IVD) or Accessory for medical use	
SEC	ION 8: Exposure con	trols/personal protection	
8.1	Control parameters		
	100 Indicator sticks Chemical: <i>cellulose</i> TRGS 900 (DE):	Staub 1.25 A / 4 E mg/m³	CAS No.: 9004-34-6
	SUVA(CH) MAK value: NIOSH: ITWA1 Time-weighted a	E/e respirable 3 a ppm TWA 10 (total) / 5 (resp) mg/m ³ verage to a reference period of 8 hours, [STEL] Short-term exposure limit related	d to a 15-minute period
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8.2.1 Netrecessary. 8.2.1 Respiratory Protection 8.2.1 Respiratory Protection 8.2.2 Hand Protection 8.2.3 Eye Protection 8.2.4 Not necessary. 8.2.3 Eye Protection 8.2.4 Not necessary. 8.2.5 Personal Hygione Information not bacic physical and chemical properties 9.1 Information not bacic physical and chemical properties 9.1 Olidicator sticke Appearance: solid Colour: colored Other information Relevant Properties of Substance Group Terronal Substance Group Terronal Substance Group Terronal Properties of Substance Forteronal Properties To Information Properties of Substanc	REF: 92			pH-Fix 0-14 PT		Page: 4/6
Chemical: indicator dye(s) CAS No.:- Chemical: PVC for/ (CAS 9002-96-2) CAS No.:- 8.2 Exposure controls Not necessary. Exposure controls 8.2.1 Respiratory Production Not necessary. Separatory Production Not necessary. 8.2.3 Exp Protection Not necessary. Separatory Production Not necessary. 8.2.4 Staff Protection Not necessary. Separatory Production Not necessary. 8.2.5 Personal Hygiene Information not necessary. Separatory Production Not necessary. SECTION 9: Physical and chemical properties Appearance: solid Colour: colored Odor: odorless 9.1 Information not necessary. Separatory Progenities of Substance Group Odor: odorless 9.2 Other information Relevent Properties of Substance Group Odor: odorless Separatory Progenities of Substance Group Term Incompatibility of hazardous reactivity No known instability. Incompatibility of hazardous reactivity Incompatibility of hazardous reactivity 10.1 Conditions to avoid Term Terminal: reactivity and separated and oxidizing agents. Separatory	Printing	date: 09.05.2017		Date of issue: 2	28.03.2017	
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Chemical: PUC for (CAS 9026-96-2) CAS No.:- Chemical: PUC for (CAS 9026-96-2) CAS No.:-		OSHA:		TWA 15 (total) / 5 (resp) mg/m	3	
 8.2 Exposure controls Not necessary. 8.3 Respiratory Protection Not necessary. 8.3 Hand Protection Not necessary. 8.4 Skin Protection Not necessary. 8.2.5 Physical and chemical properties 8.2.6 Information not necessary. 8.2.7 Section on basic physical and chemical properties 9.1 Information on basic physical and chemical properties 9.1 Onlicator sticks Appearance: solid Colour: colored Oddr: oddress 9.2 Other information Relevant Properties of Substance Group Terror 8.2 Chemical stability No ne 9.1 No Stability and reactivity 10.1 Reactivity None 10.2 Chemical stability No ne 10.3 Possibility of hazardous reactions None. 10.4 Conditions to avoid Terror 10.4 Conditions to avoid Terror 10.5 Incompatible materials Not necessary. 10.4 Conditions to avoid Terror 11.4 Information products In the original package all particlal reagents are safely and separated stored. Decompositions are not observed during the expiration productive recompatibility for prost substance. 11.1 Information on toxicological effects Following information is valid for pure substances. 11.1 Information on toxicological effects Following information is valid for pure substances. 11.1 Information on toxicological effects Following information is valid for pure substances. 11.1 Information on toxicological effects Following information is valid for pure substances. 11.1 Information on toxicological effects Following information is valid for pure substances. 11.2 Chemical: cellulose CAS No: 8004-34-6 Exposure Routes: inhibition, skin mador eye contact Relevant Networks: inclusion: Casion 65 List not listed Exposure Routes: inhibition, skin, mecodarge system Symptomic Casion: contact Michon represented acade tore information is valid for pure substances. 		Chemical:	indicator dye	(s)	CAS No.: -	
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Printin	g date: 09.05.2017	Date of issue: 28.03.2017	
	Japan CSCL/PRTR: not listed Japan PDSCL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-05339 LD50 _{orl rat} : >5000 mg/ LC50 _{ihl rat} : >5800 _{4h} m LD50 _{drm rbt} : >2000 mg/	ng/m³	not listed
	Chemical: <i>indicator dye</i> (s) TSCA Inventory: all <1%		CAS No.: -
	Chemical: PVC foil (CAS 900 TSCA Inventory: listed	12-86-2)	CAS No.: -
SEC	FION 12: Ecological informatio	n	
12.1	Toxicity Following information is valid for pure sul	bstances.	
	100 Indicator sticks Chemical: <i>cellulose</i> Water hazard class (DE): Storage class (VCI):	nwg 11	CAS No.: 9004-34-6
	Chemical: indicator dye(: Storage class (VCI):	s) 12-13	CAS No.: -
	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 assessr no data available	nent	
12.6	Other adverse effects no additional data available		
	[ION 13: Disposal consideration	ons	
™ 13.1	lot necessary. Waste treatment methods		
13.1	GENERAL: Empty solids into municipal wast	e, empty liquids diluted into drains.	
SEC	FION 14: Transport information	า	
1	4.1 - 14.4 Not necessary		
14.5	Environmental hazards not necessary		
44.0	Createl presentions for year		

14.6 Special precautions for user not necessary

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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
- 15.2 Chemical safety assessment

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.

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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, 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

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