MACHEREY-NAGEI



Safety Data Sheet

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

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

1.1	Product identifier		
	REF	92118	
	Product name	pH-Fix 2.0-9.0	
	REACH Registration number(s) A registration number for the the substance or its use is exe	substance(s) does not exist be	3.2 or cause the annual tonnage does not require registration or
		1 x 100 Indicator st	ticks
1.2	Relevant identified uses of	the substance or i	mixture and uses advised against
	Relevant identified uses Product for analytical use.	sification according REA s integrated into sections	Ch, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0 s 1-16.
1.3	Details of the supplier of th	e safetv data shee	t
	Manufactured by: MACHEREY-NAGEL GmbH & 0 Neumann-Neander-Str. 6-8, 52 Tel.: +49 2421 969 0	Co. KG	
1.4	Emergency telephone num Information not necessary.	ber	
	You find our current versions of SDS (2	2 languages) in Internet:	http://www.mn-net.com/SDS
SECT	ION 2: Hazard identificat	ion	
2.1	Classification of the substa	ince or mixture	
	100 Indicator sticks		
	Qiana da wand	Do not need labelli	ng as hazardous
	Signal word	-	
	No hazard class		
2.2	Label elements		
	100 Indicator sticks Do not need labelling a Signal word: -	as hazardous	
2.3	Other hazards		
	Possible hazards from physic		ence we state that this product does not contain any substances, which -

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

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Other hazards

SECTION 3: Composition/information on ingredients

Substances or 3.2 Mixtures 3.1

100

Indicator sticks Chemical: <i>cellulo</i>	se	CAS No.: 9004-34-
Classification: Formula:	No criteria for classification or naming of chemical not required. (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 %	
acc. CLP (GHS):	The criteria for classification are not fulfilled.	
Chemical: indica	tor dye(s)	CAS No.: -
Classification: TSCA Inventory:	No criteria for classification or naming of chemical not required. all listed, <1%	0.0 10
Concentration:	0.01 - <0.1 %	
acc. CLP (GHS):	The criteria for classification are not fulfilled.	
Chemical: PVC f	oil (CAS 9002-86-2)	CAS No.: -
Classification: TSCA Inventory:	No criteria for classification or naming of chemical not required.	
Concentration:	95 - <100 %	
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

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None.

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

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>cellulose</i> TRGS 900 (DE):	Staub 1.25 A / 4 E mg/m³ E/e respirable	CAS No.: 9004-34-6
SUVA(CH) MAK value: NIOSH: [TWA] Time-weighte	3 a ppm TWA 10 (total) / 5 (resp) mg/m³ d average to a reference period of 8 hours, [STEL] Short-t	erm exposure limit related to a 15-minute period
OSHA:	TWA 15 (total) / 5 (resp) mg/m³	
Chemical: indicator	dye(s)	CAS No.: -
Chemical: PVC foil (CAS 9002-86-2)	CAS No.: -
Exposure controls Not necessary.		
Pospiratory protection		

8.2.1	Respiratory protection Not necessary.	
8.2.2	Hand protection	

- Not necessary.
- 8.2.3 Eye protection

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8.2

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	Not necessary.		
8.2.4	Skin protection Not necessary.		
8.2.5	Personal hygiene Information not necessary.		
SECT	ION 9: Physical and che	emical properties	
9.1	Information on basic phys	ical and chemical propert	ies
	100 Indicator sticks Appearance: solid	Colour: colored	Odor: odorless
9.2	Other information Relevant Properties of Substanc	e Group	
SECT	ION 10: Stability and re	activity	
10.1	Reactivity None		
10.2	Chemical stability No known instability.		
10.3	Possibility of hazardous re	eactions	
10.4	Conditions to avoid Not known		
10.5	Incompatible materials Not known. Avoid contact with con	centrated acids and oxidizing ager	ts.
10.6	Hazardous decomposition In the original package all parts/all period under recommended condit	reagents are safety and separated	stored. Decompositions are not observed during the expiration
SECT	ION 11: Toxicological i	nformation	
11.1	Information on toxicologic Following information is valid fo 100 Indicator sticks		
	TOU MUICATOR STICKS		

Chemical: TSCA Inventory: Exposure Routes: Target Organs: Symptoms: Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.Inv LD50orl rat : LC50ihl rat : LD50drm rbt :	cellulose listed California Proposition 65 List inhalation, skin and/or eye contact Eyes, skin, respiratory system irritation eyes, skin, mucous membrane not listed Canada CEPA 1999: not listed, Japan PDSCL: not listed not listed not listed ventory: KE-05339 >5000 mg/kg >5800 _{4h} mg/m ³ >2000 mg/kg	
Chemical: TSCA Inventory:	<i>indicator dye(s)</i> all listed, <1%	CAS No.: -



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	Chemical: PVC foil (CAS 90 TSCA Inventory: listed	002-86-2)	CAS No.: -
SECT	ION 12: Ecological information	on	
12.1	Toxicity		
	Following information is valid for pure s	ubstances.	
	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):	e(s) 12-13	CAS No.: -
	Chemical: PVC foil (CA	AS 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 assess no data available	sment	
12.6	Other adverse effects no additional data available		
	ION 13: Disposal considerati	ions	
[™] 13.1	ot necessary. Waste treatment methods		
13.1	GENERAL: Empty solids into municipal was	ste, empty liquids diluted into d	rains.
SECT	TON 14: Transport informatio	on	
1	4.1 - 14.4 Not necessary		
14.5	Environmental hazards		
14.6	Special precautions for user not necessary		
14.7	Transport in bulk according to A not applicable	Annex II of MARPOL and	d the IBC Code
SECI	ION 15: Regulatory informati	ion	
15.1	German act governing protection from haza	ardous substances (Chemicals) azardous substances (Ordinanc cording to Directive 98/24/EC	n specific for the substance or mixture Act / Chemikaliengesetz- ChemG), revised on August 2013 æ on Hazardous Substances / Gefahrstoffverordnung -

15.2 **Chemical safety assessment**

Look for your country-specific regulations.



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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

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, 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

