	Milwaukee E	lectronics Kft.	Revision nr.4 EN Dated 08/06/2023 Printed on 08/06/2023
milwaukee (M10004 - pH 4.01 Ca	libration Buffer Solution	Printed on 08/06/2023 Page n. 1 / 8 Replaced revision:3 (Dated 24/08/2022)
	Sa	fety Data Sheet	
SECTION 1. Identifica	tion of the substance/mixt	ure and of the company/unde	ertaking
1.1. Product identifier			
Code Product name	M10004 pH 4.01 C	Calibration Buffer Solution	
1.2. Relevant identified uses o	f the substance or mixture and uses	advised against	
Intended use	Calibratio	n of pH Electrodes.	
1.3. Details of the supplier of the	he safety data sheet		
Name Full address District and Country e-mail address of the comp responsible for the Safety D	Alsókikötő H6726 Tel. Fax etent person	e Electronics Kft. 5 sor 11. Szeged Hungary +36-62-428-050 +36-62-428-051 vaukeeinst.com	
1.4. Emergency telephone nur	nber		
For urgent inquiries refer to	9154409 8212 12 1 (exchange 8092166 0000,Mec Portugal t	I.: +431 406 43 43 - Belgium tel.: 070/24 - Czech Republic tel.: +420 224 919 293 2 - Estonia tel.: 112 - Finland tel.: (09) 4 e) - France tel. ORFILA (INRS) : + 33 (0) - Lithuania tel.: +370 5 236 20 52, +370 (1) licines & Poisons Info Office tel.: 2545 65 el.: 808 250 143 - Romania tel. 021.318 177 4166 - Spain tel.: + 34 91 562 04 20 00)	, +420 224 915 402 - Denmark tel.: 71 977 (direct) or (09) 4711 1 45 42 59 59 - Ireland tel.: 01 687 53378 - Malta tel: 2545 504 - Norway tel.:22 59 13 00 - 36.06 (8:00 – 15:00) – Slovakia tel.:
SECTION 2. Hazards identifica	ation		
2.1. Classification of the substa	ance or mixture		

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication:

2.2. Label elements

Hazard pictograms:	
Signal words:	
Hazard statements:	
Precautionary statements:	

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\ge 0.1\%$.

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SECTION 3. Composition/information on ingredients

3.2. Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

SECTION 4. First aid measures

4.1. Description of first aid measures

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances. HAND PROTECTION None required. SKIN PROTECTION None required. EYE PROTECTION None required. RESPIRATORY PROTECTION None required, unless indicated otherwise in the chemical risk assessment. ENVIRONMENTAL EXPOSURE CONTROLS The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	colourless	
Odour	odourless	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
рН	4,01	Method:ASTM D1293-18
		Temperature: 25 °C
Kinematic viscosity	not available	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	17,5 mmHg	
Density and/or relative density	1	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

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SECTION 9. Physical and	chemical properties /	/>>	
Information not available			
9.2.2. Other safety character	eristics		
Total solids (250°C / 482°F			
Explosive properties Oxidising properties		pplicable pplicable	
SECTION 10. Stability	y and reactivity		
10.1. Reactivity			
There are no particular risk	s of reaction with other substance	ces in normal conditions of use.	
10.2. Chemical stability			
The product is stable in nor	rmal conditions of use and storag	ge.	
10.3. Possibility of hazardous	reactions		
No hazardous reactions are	e foreseeable in normal condition	ns of use and storage.	
10.4. Conditions to avoid			
None in particular. Howeve	r the usual precautions used for	chemical products should be respected.	
10.5. Incompatible materials			
Information not available			
10.6. Hazardous decompositio	on products		
Information not available			
SECTION 11. Toxicol	ogical information		
		/et produced health damages. Anyway, it mu	ust be handled according to good
11.1. Information on hazard cl	lasses as defined in Regulation	(EC) No 1272/2008	
Metabolism, toxicokinetics,	mechanism of action and other	information	
Information not available			
Information on likely routes	of exposure		
Information not available			
Delayed and immediate eff	ects as well as chronic effects fr	om short and long-term exposure	
Information not available			
Interactive effects			
Information not available			
ACUTE TOXICITY			
ATE (Inhalation) of the mixt ATE (Oral) of the mixture: ATE (Dermal) of the mixture		Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)	
SKIN CORROSION / IRRIT	ΓΑΤΙΟΝ		
	ation criteria for this hazard clas	S	
SERIOUS EYE DAMAGE /	IRRITATION		
	ation criteria for this hazard clas	s	
			@EPY 11.3.0 - SDS 1004.14

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SECTION 11. Toxicologica	I information / >>	
RESPIRATORY OR SKIN	SENSITISATION	
Does not meet the classific	ation criteria for this hazard class	
GERM CELL MUTAGENIC	ΙΤΥ	
Does not meet the classific	ation criteria for this hazard class	
CARCINOGENICITY		
Does not meet the classific	ation criteria for this hazard class	
REPRODUCTIVE TOXICIT	<u>Y</u>	
Does not meet the classific	ation criteria for this hazard class	
STOT - SINGLE EXPOSUR	RE	
Does not meet the classific	ation criteria for this hazard class	
STOT - REPEATED EXPO	SURE	
Does not meet the classific	ation criteria for this hazard class	
ASPIRATION HAZARD		
Does not meet the classific	ation criteria for this hazard class	
1.2. Information on other haz	ards	
Based on the available data disruptors with human heal	a, the product does not contain substances listed in the main European lists the effects under evaluation.	of potential or suspected endocrine
SECTION 12. Ecologi		
Use this product according or contaminate soil or vege	to good working practices. Avoid littering. Inform the competent authorities, tation.	should the product reach waterways
2.1. Toxicity		
Information not available		
2.2. Persistence and degrada	ability	
Information not available		
2.3. Bioaccumulative potentia	al	
Information not available		

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU:

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 None

None

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable

Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None

Substances subject to the Rotterdam Convention: None

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ECTION 15. Regulatory in	nformation	/ >>				
Substances subject to the S	Stockholm Con	vention:				
None						
Healthcare controls Information not available						
	lassification of			10 Annii 0017)		
German regulation on the c WGK 1: Low hazard to wate		substances nazardo	us to water (AwSV, Vom	18. April 2017)		
5.2. Chemical safety assess	nent					
A chemical safety assessme	ent has not bee	en performed for the	oreparation/for the substa	nces indicated i	n section 3	
ECTION 16. Other in	formation					
LEGEND: - ADR: European Agreemer		ne carriage of Dange	rous goods by Road			
- ATE: Acute Toxicity Estimation - CAS: Chemical Abstract S						
- CE50: Effective concentra	tion (required t	o induce a 50% effec				
 CE: Identifier in ESIS (Eur CLP: Regulation (EC) 127 		of existing substance	:S)			
- DNEL: Derived No Effect I	_evel					
 EmS: Emergency Schedul GHS: Globally Harmonized 		assification and labeli	ng of chemicals			
- IATA DGR: International A - IC50: Immobilization Conc		sociation Dangerous	Goods Regulation			
- IMDG: International Maritin		angerous goods				
 IMO: International Maritim INDEX: Identifier in Annex 	0					
- LC50: Lethal Concentratio						
 LD50: Lethal dose 50% OEL: Occupational Expositional Expo	ure Level					
- PBT: Persistent bioaccum	ulative and toxi		tion			
 PEC: Predicted environme PEL: Predicted exposure I 		ition				
- PNEC: Predicted no effect						
 REACH: Regulation (EC) RID: Regulation concernin 		onal transport of dang	erous goods by train			
- TLV: Threshold Limit Value		not be eveneded du	ring any time of accuratio	nal ovnosuro		
- TLV CEILING: Concentrat - TWA: Time-weighted aver			ing any time of occupatio	nai exposure.		
- TWA STEL: Short-term ex - VOC: Volatile organic Con	•					
- vPvB: Very Persistent and		nulative as for REAC	H Regulation			
- WGK: Water hazard class	es (German).					
GENERAL BIBLIOGRAPHY						
1. Regulation (EC) 1907/20 2. Regulation (EC) 1272/20	```	•				
3. Regulation (EU) 2020/87	8 (II Annex of F	REACH Regulation)				
4. Regulation (EC) 790/200 5. Regulation (EU) 286/201						
6. Regulation (EU) 618/201	2 (III Atp. CLP)	of the European Par	liament			
7. Regulation (EU) 487/201 8. Regulation (EU) 944/201						
9. Regulation (EU) 605/201	4 (VI Atp. CLP)) of the European Par	rliament			
10. Regulation (EU) 2015/1 11. Regulation (EU) 2016/9						
12. Regulation (EU) 2016/1	179 (IX Atp. CL	_P)				
13. Regulation (EU) 2017/7 14. Regulation (EU) 2018/6	· ·	,				
15. Regulation (EU) 2019/5	21 (XII Atp. CL	P)				
16. Delegated Regulation (L 17. Regulation (EU) 2019/1		(XIII Atp. CLP)				
18. Delegated Regulation (L	JE) 2020/217 (
19. Delegated Regulation (I 20. Delegated Regulation (I						
21. Delegated Regulation (I	, ,	• /				
	JE) 202 1/049 (,,,,, ,				



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SECTION 16. Other information ... / >>

22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified: 09 / 11. EN