



Safety data sheet
In accordance with Regulation (EU) 2015/830

pH Test Kit

Date of writing: 01 January 2010

Version No. 3

Revision date 03/01/2022

1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

1.1 A. Trade name: pH TEST KIT

Relevant identified uses of the substance or mixture and uses advised against

The pH test kit is a liquid pH tester that covers a pH range of 4.0 to 8.5

1.2

1.3 Details of the supplier of the safety data sheet

Company name	Terra Aquatica
Address	4, boulevard du Biopole 32500 FLEURANCE
Phone number	+33 (0)5 62 06 08 30
E-mail address	info@eurohydro.com

1.4 Emergency number

Medical / rescue services	999
Fire and rescue	999
Police	101
EU emergency call line	112
ORFILA Toxicological Information Centre (INRS)	+33 01 45 41 59 59
South West Toxicological Information Centre	+33 05 61 77 74 47

2 SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the mixture

Reg. 1272/2008/CLP According to Regulation No. 1272/2008 (CLP), the product is considered toxic if swallowed.

Additional information

Hazards for humans Yes

Environmental risks No

Physico-chemical hazards No

Other hazards No

2.2

Labelling elements

In accordance with Reg. 1272/2008/CLP and its adaptations

Danger pictogram Yes



Danger word Danger

Hazardous substances to be indicated on the label Methanol

Hazard statement H371 Suspected risk of serious organ damage
H301 Toxic if swallowed

Warning statement Phrases P
P102 Keep out of reach of children

Additional hazard information (EU) None

2.3 Other hazards

Reg. 1272/2008/CLP None

For PBT and vPvB assessment, see section 12.5 The product does not meet the criteria for persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB) substances

3 SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable

Mixtures Not applicable

3.2

Name pH Test Kit

Description The pH Test Kit is a liquid tester that covers a pH range of 4.0 to 8.5. It includes a sample tube, reagent and color comparison card. It makes testing easy and reliable.

Chemical name

Metanol

Concentration (%) CAS No.

5-10

67-56-1

4 SECTION 4: FIRST AID MEASURES

In general, if in doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person.

4.1

Description of first aid measures

In case of eye contact	Rinse immediately with plenty of water, holding the eyelids wide open, and seek medical attention.
In case of skin contact	Wash thoroughly with soap and water. Remove impregnated clothing.
In case of ingestion/aspiration	Do not induce vomiting, seek medical advice immediately by showing the product label.
In case of inhalation	Move victim to fresh air. Keep warm and at rest. In case of breathing difficulty: call a doctor.
Self protection of first aiders :	Depending on the first aid setting, wear appropriate protective equipment including a mask or filtered respirator and, if necessary, operate in the presence of another co-worker. Always wear protective gloves and a resuscitation mask when performing artificial respiration. Wash your hands thoroughly after giving first aid. If your clothing becomes contaminated with a chemical during first aid treatment, change your clothing.
Other data	For further details on first aid, including but not limited to more serious health effects, the physician may consult the Toxicological Information Centre, hotline: see section 1.4
4.2 Main symptoms and effects, acute and delayed	No known effect.
4.3 Indication of any immediate medical attention and special treatment needed	If decomposition products are inhaled in a fire, symptoms may be delayed. The exposed person may need to be placed under medical supervision for 48 hours.

5 SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media	<p>The product is not flammable. Low fire risk due to the flammability characteristics of the product under normal conditions of storage, handling and use.</p> <p>Suitable extinguishing media :</p> <p>If combustion is maintained due to improper handling, storage or use, the following extinguishing agents may be used: carbon dioxide (CO₂), foam, chemical powders and, in the event of a large fire, also water spray.</p> <p>Unsuitable extinguishing media :</p> <p>In case of fire, do not use : Water jet</p>
5.2 Special hazards arising from the substance or mixture	<p>Due to its flammability characteristics, the product does not present a fire hazard under normal conditions of storage, handling and use.</p> <p>A fire in the surrounding area will often produce thick black smoke. Exposure to the composition products can be a health hazard. Do not breathe the fumes.</p>
5.3 Advice to firefighters	<p><u>Protective actions to be taken when fighting the fire</u></p> <p>Quickly isolate the area by evacuating all people from the area near the incident in case of fire. Do not take any action involving personal risk or without proper training. Move containers away from the fire if it can be done without risk. Use water or water spray to keep fire exposed containers cool.</p> <p><u>Appropriate protective equipment</u></p> <p>The product is not combustible. In case of fire in the surrounding area, extinguishing media and appropriate protective equipment for other materials present (full protective</p>

clothing and personal respiratory equipment), complying with EN469 for a basic level of protection for chemical incidents, can be used. Have a minimum of emergency facilities or intervention elements (fire blankets, first aid kit...) according to Directive 89/654/EC.

5.4 Other information

Additional provisions :

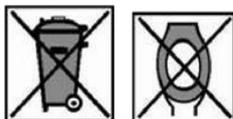
Respond in accordance with the Internal Emergency Plan and the Information Sheets for Accident Response and Other Emergencies. Remove all sources of ignition. In case of fire, refrigerate containers and storage tanks of products that may ignite and explode due to high temperatures. Avoid spillage of fire extinguishing materials into water.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Ensure good ventilation. In case of accidental release of a large quantity, evacuate all personnel and allow access only to trained operators with appropriate personal protective equipment. (See section 8)
For emergency responders	Responders will be equipped with appropriate personal protective equipment. (See section 8)

6.2 Environmental precautions



Avoid contamination of sewers, surface water and groundwater. If this occurs, inform the appropriate authorities.

6.3 Methods and materials for containment and cleaning-up

For containment :	Sewer cover
For cleaning up :	Collect spilled material by mechanical means and wash away with water. Provide adequate ventilation of the spill area. The contaminated material must be disposed of in accordance with the provisions of point 13.
Other Information:	Do not allow spilled material to come into contact with combustible or non-combustible materials. Cleanup personnel should wear protective equipment to protect skin and eyes and to protect against vapors.

6.4 Reference to other sections

Recover the product as much as possible. Follow local legislation.
Collect leftovers in an identified container: see item 13 for disposal.
Personal protective equipment: see section 8
Withdrawal Considerations: See Section 13.

7 SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	<p>Avoid formation of airborne particles and dispersion of the product in the air.</p> <p>Use adequate ventilation in areas where airborne particles are growing.</p> <p>Keep away from flames and sparks. Do not smoke. Keep away from heat and other sources of ignition.</p> <p>Do not eat, drink or smoke in work areas</p>
7.2	Necessary conditions to ensure safe storage, Including any incompatibilities	<p>Wash hands after each use.</p> <p>Ensure adequate local ventilation or extraction.</p> <p>Store in a cool, dry place. Keep container tightly closed, upright, in a dry, well-ventilated place.</p> <p>Close containers before and after each use to avoid sources of moisture or heat. Store in labelled containers.</p>
7.3	Specific end uses	<p>Store in areas with waterproof pavement if possible.</p> <p>No specific end uses.</p> <p>Good practice: keep in closed containers. Close containers before and after each use to avoid sources of moisture or heat. Store in areas with impervious pavement.</p>

8 SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	<p>Not applicable</p> <p>Use good industrial hygiene practices</p>
8.2	Exposure controls	
	Appropriate technical control	No particular control
	Personal protective measures, such as personal protective equipment (PPE)	<p>Use personal protective equipment placed on the market in accordance with the provisions of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016.</p> <p>Personal protective equipment must be appropriate to the risk, kept clean and properly maintained in accordance with the provisions of the Labour Code.</p>
	Eye and face protection	It is necessary to wear protective glasses in accordance with the NF EN166 standard before handling any chemical products.
	Skin protection	<p>Hands: Wear appropriate protective gloves for prolonged or repeated contact with the product.</p> <p>Use appropriate protective gloves resistant to chemical agents in accordance with standard NF EN374.</p>
	Respiratory protection	Ensure adequate ventilation, especially in enclosed areas.
	Body protection	Wear appropriate protective clothing.
	Environmental protection measures	After contact with the product, all soiled body parts should be washed.
		No data available

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on essential physical and chemical properties

Aspect	<p>Physical state: All compounds in pH Test Kit are in aqueous solution.</p> <p>Color : Dark Green</p>
Smell	Alcohol
pH	3.5
Melting point	Not applicable
Freezing point	Not determined

Initial boiling point or boiling range	Not determined
Flash point	Not determined
Evaporation rate or index	Not determined
Flammability	Non-flammable
Upper/lower flammability limits (UEL, UEL) or upper/lower explosive limits (UEL, UEL)	Not applicable
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.108
Solubility	Completely soluble
n-octanol/water partition coefficient	Not determined
Auto-inflammation temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined
Refractive index	Not determined
Rotating power	Not determined

9.2 Other information

No

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions expected if stored according to the technical instructions of the chemicals.
10.2 Chemical stability	pH Test Kit is stable at room temperature in closed packages and under normal storage and handling conditions.
10.3 Possibility of dangerous reactions	No risk of dangerous reactions under normal conditions of use and storage. Avoid: strong oxidizing agents.
10.4 Conditions to be avoided	No special conditions to avoid. Follow normal precautionary practices regarding chemicals.
10.5 Incompatible materials	No incompatible materials.
10.6 Hazardous decomposition products	None of the components of the pH Test Kit are subject to hazardous polymerization.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects				
		Acute toxicity			
		Result	Dose	Type	Exhibition
	Methanol	Oral LD50	100 mg/Kg	Rat	Not applicable
		Dermal LD50	300 mg/Kg	Rabbit	Not applicable
	LC50 inhalation	3 mg/L	Rat	4H	

(a) Acute toxicity	No data available
b) Skin Corrosion / Skin Irritation	
(c) Serious eye damage/eye irritation	
(d) Respiratory or skin sensitization	
(e) Germ cell mutagenicity	No data available
(f) Carcinogenicity	
(g) Reproductive toxicity	
(h) Specific target organ toxicity - single exposure	
(i) Specific target organ toxicity - repeated exposure	
(j) Aspiration hazard	
Information on likely routes of exposure	Ingestion: Ingestion of may cause gastrointestinal distress with abdominal pain, nausea, vomiting and diarrhea. Inhalation: No known significant effects or critical hazards. Skin exposure: No known significant effects or critical hazards. Eye exposure: Mild irritation. No known significant effects or critical hazards.
Symptoms related to physical, chemical and toxicological characteristics	No known symptoms
Delayed and immediate effects, and chronic effects of short and long term exposure	No known health effects
Interactive effects	Data not known
Lack of specific data	No data available
Mixtures	No data available
Information on mixtures and information on substances	Mixture does not contain substances subject to registration. No known adverse effects or symptoms resulting from exposure to the mixture or its components.
Other information	Respect good industrial hygiene practices

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient	Result	Acute toxicity	Species Genus
Metanol	LC50	15400 mg/L (96 h)	Lepomis macrochirus Fish
	EC50	12000 mg/L (96 h)	Nitrocras spinipes Crustacea
	EC50	530 mg/L (168 h)	Microcystis aeruginosa Algae

12.2 Persistence and degradability No data available to the best of our knowledge

12.3 Bioaccumulative potential No data available on the mixture at the present time

12.4 Mobility in soil No data available to the best of our knowledge. Waste generation should be avoided or minimized to the extent possible, and discharge into sewers or waterways should be avoided.

12.5 Results of PBT and vPvB assessments No data available

12.6 Other adverse effects No data

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Methods of waste treatment Do not discharge into drains or waterways.

Waste: The management of waste is done without endangering human health and without harming the environment, and in particular without creating a risk for water, air, soil, fauna and flora.

Recover the product as much as possible. Recycle or dispose of in accordance with applicable laws, preferably through a licensed collector or company.

Disposal of product/packaging: Do not discharge into drains or waterways. Residues and empty containers must be handled and disposed of in accordance with the relevant local/ national legislation.

Follow the provisions of Directive 2008/98/EC on waste management.

The pH Test Kit can be used in the same way as any industrial fertilizer.

Recover the product as much as possible. Follow local legislation.

Waste list code Not determined

14 SECTION 14: TRANSPORT INFORMATION

Non-hazardous transport. In the event of an accident and spillage of the product, proceed according to point 6

14.1 Number UN Non-hazardous transport

14.2 United Nations shipping name Non-hazardous transport

14.3 Transport hazard class(es)

ADR Non-hazardous transport

IMDG

ICAO/IATA

14.4 Packaging group Non-hazardous transport

14.5 Environmental hazards Non-hazardous transport

Special precautions to be taken by the user Do not transport with food products.

14.6 Transport in bulk in accordance with MARPOL Annex II and the IBC Code Non-hazardous transport

14.7

15 SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific to the substance or mixture

15.1 Reg. 1272/2008/EC The product does not contain any substances that may be classified as carcinogens. 1 or 2 according to Reg.1272/2008/EC and subsequent updates.

Reg. 830/2015/EC (REACH) Not applicable

Special risks No

15.2 Chemical safety assessment Evaluation not performed

16 SECTION 16: OTHER INFORMATION

16.1 Abbreviations and acronyms

ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
CAS NUMBER: Chemical Abstract Service number
EC50: Concentration that gives effect to 50% of the test population.
EC NUMBER: Identification number in ESIS (European Existing Substances Archive)
CLP: Regulation EC 1272/2008
DNEL: Calculated No Effect Level
EmS: Emergency calendar
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA DGR: International Air Transport Association Dangerous Goods Regulations
IC50: Immobilizing concentration of 50% of the test population.
IMDG: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
INDEX NUMBER: Identification number VI Annex to CLP
LC50: Lethal concentration 50
LD50: Lethal Dose 50 %.
OEL: Occupational Exposure Level
PBT: Persistent, Bioaccumulative and Toxic according to REACH
PEC: Predicted Environmental Concentration
PEL: Predicted Exposure Level
PNEC: Predicted No Effect Concentration
REACH: Regulation EC 1907/2006
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
TLV: Threshold Limit Value
TLV CEILING: Concentration that must not be exceeded at any time during the working exposure
TWA STEL: Short-term exposure limit
TWA: Time Weighted Average Exposure Limit
VOC: Volatile Organic Compound

16.2 Bibliographic references

vPvB: Very Persistent and Bioaccumulative according to REACH
Regulation (EC) 1907/2006 of the European Parliament (REACH)
Regulation (EC) 1272/2008 of the European Parliament (CLP)
Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)
The Merck Index. Ed. 10 Chemical Handling and Safety
Niosh - Chemical Toxicity Registry
INRS - Toxicological data sheet
Patty - Industrial Hygiene and Toxicology

N.I. Sax - Dangerous properties of Industrial Materials - 7 Ed. 1989

ECHA website

16.3 Changes compared to the previous version

Date of revision: 03/01/2022

Previous version date: 04/03/2020

Version :3

Modification: Section 1.3, Company name

16.4 Note

This sheet is for information purposes only.

This safety data sheet complies with the requirements established by Reg. 830/2015/EU. It does not exempt the user from knowing and applying all the documents governing his activity. The user will take under his responsibility the precautions related to the specific use of the product. All regulatory requirements listed are intended simply to assist the recipient in fulfilling his responsibilities. This list should not be considered exhaustive. This data sheet supplements the technical instructions for use but does not replace them. The information in this safety data sheet has been compiled by Terra Aquatica to the best of its knowledge and belief at the time of writing (safety data sheets for the active ingredients compiled by the manufacturer and other literature). They are given in good faith. Furthermore, the user's attention is drawn to the possible risks involved when a product is used for purposes other than those for which it was created. The recipient must ensure that he/she is not responsible for anything other than the texts mentioned.

The information describes the safety aspects of the product. It is not intended to guarantee specific properties.

It is the responsibility of our customers to observe the applicable regulations.