

WAI5 - CNGHS - CHINA

Issue Date 03-May-2020

Revision Date 11-Sep-2024

Revision Number 1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product Identifier

产品名称 Eutech pH 10.01 Buffer Solution  
Product Name Eutech pH 10.01 Buffer Solution

Product No 01X608101

Pure substance/mixture Mixture

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

Recommended Use Use as laboratory reagent

Uses advised against No Information available

Supplier  
Eutech Instruments Pte Ltd  
part of Thermo Fisher Scientific  
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Keppel Logistics Building  
Singapore 629563

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Emergency Telephone Number  
24 Hour Emergency Phone Number  
CHEMTREC®  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: 1-703-527-3887  
(collect calls accepted)  
Singapore: English and Mandarin  
Local (National) +65 3158 1349  
Toll Free: 800 101 2201

Made in Singapore

**SECTION 2. HAZARD IDENTIFICATION**

**Physical State**  
Liquid

**Appearance**  
Blue

**Odor**  
Odorless

**Emergency Overview**

The product contains no substances which at their given concentration are considered to be hazardous to health.

**Classification of the substance or mixture**

Based on available data, the classification criteria are not met

**Label Elements**

None required

This product does not contain any known or suspected endocrine disruptors. Toxic to terrestrial vertebrates.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No	Weight %
Water	7732-18-5	99.97153
Amaranth Red No. 27	915-67-3	0.01584
Sodium Bicarbonate	144-55-8	0.01254
Methylparaben	99-76-3	0.00006
FD & C Blue #1	3844-45-9	0.00003

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES****Description of first aid measures**

**General Advice** Use first aid treatment according to the nature of the injury. Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.

**Skin Contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. In case of skin reactions, consult a physician.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Self-Protection of the First Aider** No special precautions required.

**Most important symptoms and effects, both acute and delayed**

**Most important symptoms and effects** No information available

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

Treat symptomatically

**SECTION 5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available

**Specific Hazards Arising from the Chemical**

No information available.

**Explosion Data****Sensitivity to Mechanical Impact** None**Sensitivity to Static Discharge** None**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment as required. For further specification, refer to section 8 of the SDS. Evacuate personnel to safe areas.

**Environmental Precautions**

Collect spillage. See Section 12 for additional Ecological Information.

**Methods and Material for Containment and Cleaning Up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**SECTION 7. HANDLING AND STORAGE****Precautions for Safe Handling****Handling**

To avoid risks to human health and the environment, comply with the instructions for use

Wear personal protective equipment/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Ensure adequate ventilation, especially in confined areas

**Conditions for Safe Storage, Including any Incompatibilities****Storage**

Keep container tightly closed in a dry and well-ventilated place

Store at room temperature in the original container

Protect from direct sunlight

**Incompatible Products**

No information available

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

Component	CAS No	China	Taiwan	Hong Kong	The United Kingdom
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed
Amaranth Red No. 27	915-67-3	Not listed	Not listed	Not listed	Not listed
Sodium Bicarbonate	144-55-8	Not listed	Not listed	Not listed	Not listed
Methylparaben	99-76-3	Not listed	Not listed	Not listed	Not listed
FD & C Blue #1	3844-45-9	Not listed	Not listed	Not listed	Not listed

**Appropriate engineering controls**

**Engineering Measures**                      None under normal use conditions

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection**                      Wear chemical splash goggles and face shield. If splashes are likely to occur: Face protection shield.

**Skin and Body Protection**                Wear protective gloves/protective clothing.

**Respiratory Protection**                    None under normal use conditions. In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures**                        Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**        No information available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

**Physical State**                                Liquid

**Appearance**                                 Blue

**Odor**    Odorless

**Odor Threshold**                            No information available

**PH Range**                                    10.01 @25 °C

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	~ 100 °C	
<b>Flash Point (High in °C)</b>	N/A	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water Solubility</b>	Soluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>	-	
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

**Softening Point**                                No information available

**Molecular Weight**                            No information available

**VOC Content(%)**                              No information available

**Density**                                        1.0 g/cm<sup>3</sup> @25°C

**Bulk Density**                                 No information available

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

No Information available

#### **Chemical Stability**

Stable under normal conditions

#### **Possibility of Hazardous Reactions**

None under normal processing

#### **Conditions to Avoid**

Extremes of temperature and direct sunlight.

#### **Incompatible Materials**

No information available

#### **Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Product Information**

##### **Information on likely routes of exposure**

<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	Not an expected route of exposure.
<b>Eyes</b>	Not an expected route of exposure.
<b>Skin</b>	No known effect based on information supplied.

##### **Information on Toxicological Effects**

**Symptoms** No information available

##### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available
<b>Mutagenic Effects</b>	No information available
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Effects</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Target Organs</b>	None known.
<b>Aspiration hazard</b>	No information available

##### **Numerical measures of toxicity - Product Information**

### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

<b>Component</b>	<b>Freshwater Algae</b>	<b>Freshwater Fish</b>	<b>Water Flea</b>
Sodium Bicarbonate 144-55-8	-	LC50: 8250 - 9000 mg/L, 96h static (Lepomis macrochirus)	EC50: = 2350 mg/L, 48h (Daphnia magna)
Methylparaben 99-76-3	-	LC50: = 59.5 mg/L, 96h semi-static (Oryzias latipes)	-

**Persistence and Degradability**

No information available

**Bioaccumulation/ Accumulation**

No information available

**Mobility**

No information available.

Component	log Pow
Amaranth Red No. 27 915-67-3	-5.13
FD & C Blue #1 3844-45-9	<-6.4

**Other adverse effects**

No information available

**SECTION 13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**SECTION 14. TRANSPORT INFORMATION****Road and Rail Transport**

Not Regulated

**IMDG/IMO**

Not regulated

**IATA**

Not regulated

**Special Precautions for User**

No special precautions required

**SECTION 15. REGULATORY INFORMATION****International Inventories**

X = listed, China (IECSC), Europe (EINECS/ELINCS/NLP), U.S.A. (TSCA), Canada (DSL/NDL), Philippines (PICCS), Japan (ENCS), Australia (AICS), Korea (KECL).

Component	The Inventory of Hazardous Chemicals (2015 Edition)	List of dangerous goods GB 12268 - 2012	TCSI	IECSC	EINECS	TSCA	DSL	PICCS	ENCS	AICS	KECL
Water	-	-	X	X	231-791-2	X	X	X	X	X	KE-35400
Amaranth Red No. 27	-	-	X	X	213-022-2	X	X	X	X	X	KE-20344
Sodium Bicarbonate	-	-	X	X	205-633-8	X	X	X	X	X	KE-31360
Methylparaben	-	-	X	X	202-785-7	X	X	X	X	X	KE-20379

FD & C Blue #1	-	-	X	X	223-339-8	X	X	X	X	X	KE-13703
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## National Regulations

Component	Toxic Chemical Substances Control Act
Amaranth Red No. 27 915-67-3 ( 0.01584 )	Class IV (1 wt%)

## SECTION 16. OTHER INFORMATION

Prepared By	Regulatory Affairs
Prepared For	Thermo Fisher Scientific Inc.©
Issue Date	03-May-2020
Revision Date	11-Sep-2024
Reason for revision	SDS sections updated.

## Disclaimer

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**End of Safety Data Sheet**