1. **Identification of the substance/preparation and of the company/undertaking**

Catalogue Number : BS10/PHJ-820-030P/4494572.0001/FB67162
Product Name : Buffer Solution pH 10.00 ± 0.01 @ 25°C
Manufacturer / Supplier:
Eutech Instruments Europe B.V.
Trading as Thermo Fisher Scientific
Wallerstraat 125k
3862CN NIJKERK
The Netherlands
Tel No:- +31 (0) 33-2463887 Fax No:- +31 (0) 33-2460832
Further information obtainable by contacting : Eutech.eu.info@thermofisher.com
EMERGENCY CONTACT NUMBER AVAILABLE 08.30 to 1700:- +31 (0)33 2463887
Email: Eutech.eu.info@thermofisher.com.

Supplied by:
RS Components Ltd,
Birchington Road, Corby, Northants, NN17 9RS.
Tel: +44 (0) 1536 402888 (8am to 8pm)
Email: technical.help@rs-components.com

2. **Hazards identification**

Hazard description: Not applicable.
Information concerning to particular hazards to man and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
GHS label elements: Void

3. **Composition / information on ingredients:**

Chemical characterization
Description : Mixture of substances listed below with non-hazardous additions.
CAS No: 1330-43-4 disodium tetraborate, anhydrous < 2.5%
EINECS No: 215-540-4
Additional Information: For the wording of the listed risk phrases refer to section 16.

4. **First-aid measures**

After Eye contact : Rinse opened eye for several minutes under running water.
After Inhalation : Supply fresh air ; consult doctor in case of complaints.
After Skin contact : Generally the product does not irritate the skin.
After Ingestion : If systems persist consult doctor.
General information : No special measures required.

5. **Fire-fighting measures**

Suitable extinguishing agents : CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment : No special measures required.

6. **Accidental release measures**

Person-related safety precautions : Not required
Measures for environmental protection : Dilute with plenty of water.
Measures for cleaning / collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Additional information : No dangerous substances are released.

7. **Handling and storage**

Handling: PPE to be worn. See section 8
Information for safe handling: No special measures required.
Information about fire - and explosion protection: No special measures required.
Storage: Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

8. **Exposure controls / personal protection**

Additional information about design of technical facilities: No further data; See item 7.
Ingredients with limit values that require monitoring at the workplace:
1330-43-4 disodium tetraborate, anhydrous
OEL (Ireland) : 1mg/m^3
REL (USA) : 5mg/m^3
TLV (USA) : Short-term value: 6*mg/m^3
: Long-term value: 2*mg/m^3 *as inhalable fraction
Additional information: The lists valid during the making were used as basis.
Personal protective equipment :

8. Continued …..
General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. **Respiratory protection:** Suitable respiratory protective device recommended.
Protection of hands: The glove material has to be impermeable and resistant to the product / the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation /the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Goggles recommended during refilling.

9. **Physical and chemical properties :**
General Information :
a) Form : Liquid **b) Colour:** According to product specification **c) Odour:** Characteristic
Change in condition
d) Melting point / Melting range : 0ºC **e) Boiling point / Boiling range :** 100ºC
f) Flash point: Not applicable. **g) Self igniting:** Product is not self igniting.
k) Danger of Explosion: Product does not present an explosion hazard.
i) Density: Not determined **j) Solubility / Miscibility with water:** Fully miscible.
Solvent content: Organic solvents: 0.0%

10. **Stability and reactivity**
Thermal decomposition/conditions to be avoided: No decomposition if used according to spec.
Dangerous reactions: No dangerous reactions known.
Dangerous decomposition products: No dangerous decomposition products known.

11. **Toxicological information:**
Acute toxicity
Primary irritant effect: on the skin: No irritant effect. **on the eye :** No irritating effect.
Sensitization: No sensitizing effects known.
Additional Toxicological information: The substance is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. **Ecological information**
General notes: Generally not hazardous for water.

13. **Disposal considerations**
Product Recommendation: Smaller quantities can be disposed of with household waste.
Uncleaned packaging: Recommendation : Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. **Transport information**
Land transport ADR/RID (cross-border)
ADR/RID class : - **Maritime transport I MDG :**
IMDG Class : **-** **Marine pollutant :** No
Air transport ICAO-TI and IATA-DGR: **ICAO / IATA Class :** -
Transport / Additional information: Not dangerous according to the above specifications.

15. **Regulatory information**
Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and The Ordinance on Hazardous Materials. (German GefStoffV)
National regulations:
Waterhazard class : Generally not hazardous for water.

16. **Other information**
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Department issuing MSDS: Health and Safety
Contact: Eutech.eu.info@thermofisher.com