

SECTION 1. Identification

Product name: Buffer solution pH 10.00
 Product use: Calibration of pH electrode
 Supplier: Bante Instruments
 Address: F3, Building 2, No.2185, Laifang Rd., Shanghai, China
 Tel: +86 21 6404 1598
 E-mail: banteinstrument@hotmail.com
 Emergency telephone number: China: +86 138 1643 6579
 USA: +1 346 762 7358

SECTION 2. Hazards Identification

Classification of the substance or mixture: The product (mixture) is classified as not hazardous.
 Label elements: Not classified as a hazardous chemical.
 Other hazards: None.

SECTION 3. Composition / Information on Ingredients

Component	CAS Number	%
Water	7732-18-5	99.4
Sodium bicarbonate	144-55-8	0.3
Sodium carbonate	497-19-8	0.3

SECTION 4. First Aid Measures

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain or redness persist.
 Skin contact: Wash off with soap and water.
 Inhalation: Remove to fresh air. Obtain medical attention immediately if breathing difficulty.
 Ingestion: Wash out mouth with plenty of water. Obtain medical attention immediately if feeling unwell.

SECTION 5. Firefighting Measures

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
 Special hazards arising from the substance or mixture: None.
 Fire hazard: Not flammable.
 Explosion hazard: Product is not explosive.
 Reactivity: Hazardous reactions will not occur under normal conditions.
 Advice for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. Accidental Release Measures

Personal precautions: No special measures required.
 Environmental precautions: No special environmental precautions required.

SECTION 7. Handling and Storage

Handling: Avoid contact with eyes. Wash hands and all exposed areas with soap and water before eating and drinking.
 Storage: Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. Exposure Controls / Personal Protection

Control parameters: Not applicable.
 Exposure controls: General industrial hygiene practice.
 Hand protection: Not required.
 Eye protection: Avoid contact with eyes.
 Respiratory protection: Not required in normal conditions.

SECTION 9. Physical and Chemical Properties

Physical state: Liquid	Boiling point: >100°C / 212°F	Relative density: 1.006 g/cm ³
Appearance: Colorless	Flash point: No data available	Specific gravity: No data available
Odor: Odorless	Evaporation rate: No data available	Solubility: Soluble in water
Odor threshold: No data available	Flammability: Non flammable	Autoignition Temperature: No data available
pH: 10.0	Vapor pressure: No data available	Decomposition Temperature: No data available
Melting point: No data available	Vapor density: No data available	Viscosity: No data available

SECTION 10. Stability and Reactivity

Reactivity hazard:	None.
Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Excess heat and direct sunlight.
Hazardous decomposition products:	None reasonably foreseeable.

SECTION 11. Toxicological Information

Acute toxicity:	No data available.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity (single exposure):	Not classified.
Specific target organ toxicity (repeated exposure):	Not classified.
Potential Adverse human health effects and symptoms:	Not classified.

SECTION 12. Ecological Information

Persistence/degradability:	Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.
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SECTION 13. Disposal Considerations

Dispose of in accordance with local/national regulations.

SECTION 14. Transport Information

Land transport:	Not classified as dangerous in the meaning of transport regulations.
Air transport:	Not classified as dangerous in the meaning of transport regulations.
Sea transport:	Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory Information

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

National regulations:
This safety datasheet complies with the requirements of Regulation According to Regulation (EC) No.1272/2008 and GHS system.

Information about limitation of use: Not required.

Chemical safety assessment: For this mixture a chemical safety assessment is not required.

SECTION 16. Other Information

Legal disclaimer:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.