

## MATERIAL SAFETY DATA SHEET

### EC-BU-10BX (pH 10.00 Buffer Tablet)

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**EUTECH INSTRUMENTS PTE LTD.**

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**SITE SPECIFIC INFORMATION**

No site specific information.

**PRODUCT IDENTIFICATION**

Product Name:	pH 10.00 Buffer Tablet
Common Synonyms:	Nil
Chemical Family:	Mixture
Formula:	Complex
Formula Weight:	NA
CAS No:	7447-40-7
CAS No:	497-19-8
CAS No:	1330-43-4
CAS No:	9004-34-6
Product Use:	Laboratory and Industrial Reagent
Eutech SAF-T-Data System:	Health = 0, Flammability = 0, Reactivity = 0, Contact = 0

**SAFETY**

For laboratory and industrial use only. Not for internal consumption. Avoid contact with eyes and skin

Component A: Potassium Chloride	
CAS NO:	7447-40-7
WEIGHT:	NE
LD50(mg/kg) oral-rat	>2600
Component B: Sodium Carbonate	
CAS NO:	497-19-8
WEIGHT:	NE
LD50(mg/kg) oral-rat	>4090
Component C: Disodium Tetraborate, Anhydrous	
CAS NO:	1330-43-4
WEIGHT:	NE
LD50(mg/kg) oral-rat	>2660
LD50(mg/kg) oral-human	>709

Component B: Cellulose	
CAS NO:	9004-34-6
WEIGHT:	NE
LD50(mg/kg) oral-rat	>5000
LD50(mg/kg) Dermal-rabbit	>2000

**PHYSICAL DATA**

Appearance & Odor:	Yellow & Odorless
Physical State:	Tablets
Boiling Point:	1413 <sup>0</sup> C
Vapour Pressure (mmHg):	NA
Melting Point:	NA
Vapour Density (T=0 °C):	NA
Specific Gravity:	1
% Volatiles by Volume:	0
Solubility:	Soluble
pH:	10.00
Odor Threshold (ppm):	NA
Coefficient Water/Oil Distribution:	1
Evaporation Rate:	NA

**FIRE AND EXPLOSION DATA**

Flash Point (Close Cup):	NA
Auto ignition Temperature:	340 <sup>0</sup> C
Flammable Limits:	Upper, NA Lower, NA
Fire Extinguishing Media:	Use fire fighting measures that suit the environment
Unusual Fire and Explosion Hazards:	None
Toxic Gases produced:	None
Explosion data-sensitivity to mechanical impact:	None identified.
Explosion data-sensitivity to static discharge:	None identified.

**HEALTH HAZARD DATA**

Threshold limit value (TLV/TWWA):	Not established.
Toxicity of Components:	Not established
Carcinogenicity:	None identified.
Reproductive effects:	None identified.
Effects of overexposure:	
Inhalation:	None
Skin contact:	None
Eye contact:	Irritant effect
Skin absorption:	None
Ingestion:	Ingestion of large quantities may cause gastro-intestinal irritation, nausea, vomiting, diarrhea
Chronic effects:	Not identified.
Target organs:	None
Medical condition aggravated by exposure:	Nil

Primary routes of entry:	Nil
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**EMERGENCY AND FIRST-AID PROCEDURES**

Ingestion :	If swallowed and the person is conscious, flush out stomach and seek medical attention.
Inhalation:	Supply fresh air; consult doctor in case of symptoms (Coughing, mucous membrane irritation)
Skin contact:	Instantly wash with water and soap and rinse thoroughly
Eye contact:	Rinse opened eye for several minutes under running water. Call doctor immediately
Acute:	Drink copious of water, induce vomiting. Seek medical treatment
Chronic:	No
Flammability:	No
Pressure:	No
Reactivity:	Nil.
Extremely hazardous substance:	No
Toxic chemicals:	None
TSCA Inventory:	No

**REACTIVITY DATA**

Stability:	Stable
Condition to avoid:	Humidity
Incompatibles:	Oxidizing agents , acidic, Solvents that forms heat
Decomposition products:	Nil
Hazardous polymerization:	Will not occur

**SPILL AND DISPOSAL PROCEDURES**

Steps to be taken in the events of a spill or discharge:	Wash away with water.
Disposal procedure:	Dispose in accordance with all applicable federal, state and local environmental regulations.
Ventilation:	None
Respiratory protection:	None
Eye/Skin protection:	Wear safety glasses / Nitrile hand gloves

**STORAGE AND HANDLING PRECAUTIONS**

SAF-T-Data*Storage colour code:	Orange.
Storage requirements:	Store in cool locations. Away from humidity, water & light

**TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

**Domestic (D.O.T.)**

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
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**International (I.M.O.)**

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
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Marine pollutants:	Chemicals, N.O.S. (non-regulated)
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**Air (I.C.A.O.)**

Proper shipping name:	Chemicals, N.O.S. (non-regulated)
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