

## MATERIAL SAFETY DATA SHEET

### EC-BU-4BT (pH 4.01 Buffer Solution)

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**SITE SPECIFIC INFORMATION**

No site specific information.

**PRODUCT IDENTIFICATION**

Product Name:	pH 4.01 Colored Buffer Solution
Common Synonyms:	Nil
Chemical Family:	Inorganic Salts
Formula:	Complex
Formula Weight:	NA
CAS No:	877-24-7
Niosh / Rtec No:	NA
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 Hydrogen Phthalate	
CAS NO:	8877-24-7
WEIGHT:	NE
OSHA/PEL:	NE
ACGIH/TLV:	NE

**PHYSICAL DATA**

Appearance & Odor:	Colorless & Odorless
Physical State:	Liquid
Boiling Point:	102.4 °C
Vapour Pressure (mmHg):	24.756 (STP)
Melting Point:	NA
Vapour Density (T=0 °C):	4.579
Specific Gravity:	1
% Volatiles by Volume:	0

Solubility:	NA
pH:	4.01
Odor Threshold (ppm):	NA
Coefficient Water/Oil Distribution:	1
Evaporation Rate:	NA

**FIRE AND EXPLOSION DATA**

Flash Point (Close Cup):	NA
Auto ignition Temperature:	NA
Flammable Limits:	Upper, NA Lower, NA
Fire Extinguishing Media:	Acid waste. Use extinguishing media appropriate for surrounding fire.
Special Fire-fighting procedures:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
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:	None
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

**EMERGENCY AND FIRST-AID PROCEDURES**

Ingestion :	If swallowed and the person is conscious, flush out stomach and seek medical attention
Inhalation:	Nil
Skin contact:	Nil
Eye contact:	In case of eye contact, immediately flush with plenty of water
Acute:	None
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:	Nil
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:	Nil

**STORAGE AND HANDLING PRECAUTIONS**

SAF-T-Data*Storage colour code:	Orange.
Storage requirements:	Keep container tightly closed. Keep in cool dark area away from 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)
Marine pollutants:	Acid

**Air (I.C.A.O.)**

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