

MATERIAL SAFETY DATA SHEET

EC-BU-1-BT pH 1.68 Buffer Solution

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SITE SPECIFIC INFORMATION

No site specific information.

PRODUCT IDENTIFICATION

Product Name:	pH 1.68 Buffer Solution
Common Synonyms:	Nil
Chemical Family:	Mixture
Formula:	Complex
Formula Weight:	NA
CAS No:	6100-20-5, 7732-18-5
Niosh / Rtec No:	NA
Product Use:	Laboratory and Industrial Reagent
Eutech SAF-T-Data System:	Health = 1, 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 Tetraoxalate dihydrate	
CAS NO:	6100-20-5
WEIGHT:	NE
OSHA/PEL:	NE
ACGIH/TLV:	NE
Component B: water	
CAS NO:	7735-18-5
WEIGHT:	NE
OSHA/PEL:	NE
ACGIH/TLV:	NE

PHYSICAL DATA

Appearance & Odor:	colorless & Odorless
Physical State:	Liquid
Boiling Point:	Lowest known value is 99 ⁰ C (211.8 ⁰ F)(water)
Vapour Pressure (mmHg):	NA
Melting Point:	NA
Vapour Density (T=0 °C):	NA
Specific Gravity:	1
% Volatiles by Volume:	0
Solubility:	NA
pH:	1.68
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:	May be hazardous in case of inhalation
Skin contact:	May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering
Eye contact:	May be hazardous in case of eye contact (irritant)
Skin absorption:	None
Ingestion:	May be hazardous in case of inhalation
Chronic effects:	Not identified.
Target organs:	None
Medical condition aggravated by exposure:	Nil
Primary routes of entry:	Nil

EMERGENCY AND FIRST-AID PROCEDURES

Ingestion :	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediate. Loosen tight clothing such as collar, tie, belt or waistband.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Skin contact:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Thoroughly clean shoes before reuse. Get medical attention
Eye contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention
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:	Oxidizing agents
Decomposition products:	The products degradation are less toxic than the product itself
Hazardous polymerization:	Will not occur

SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the events of a spill or discharge:	<p>SPILL: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: neutralize the residue with dilute solution of sodium carbonate.</p> <p>DISCHARGE: stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate</p>
Disposal procedure:	Dispose in accordance with all applicable federal, state and local environmental regulations.
Ventilation:	NA
Respiratory protection:	Vapor respirator
Eye/Skin protection:	Splash goggles / full suit

STORAGE AND HANDLING PRECAUTIONS

Handling:	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Used only with adequate ventilation. Wash thoroughly after handling
Storage requirements:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

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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