

MATERIAL SAFETY DATA SHEET

EC-BU-10BT (pH 10.01 Buffer Solution)

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SITE SPECIFIC INFORMATION

No site specific information.

PRODUCT IDENTIFICATION

| | |
|---------------------------|--|
| Product Name: | pH 10.01 Buffer Solution |
| Common Synonyms: | Nil |
| Chemical Family: | Inorganic Salts |
| Formula: | Complex |
| Formula Weight: | NA |
| CAS No: | 497-19-8, 144-55-8 |
| 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: Sodium Carbonate | |
| CAS NO: | 497-19-8 |
| WEIGHT: | NE |
| OSHA/PEL: | NE |
| ACGIH/TLV: | NE |
| | |
| Component B: Sodium Hydrogen Carbonate | |
| CAS NO: | 144-55-8 |
| WEIGHT: | NE |
| OSHA/PEL: | NE |
| ACGIH/TLV: | NE |
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PHYSICAL DATA

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|-------------------------------------|--------------|
| Appearance & Odor: | 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: | 10.01 |
| Odor Threshold (ppm): | NA |
| Coefficient Water/Oil Distribution: | 1 |
| Evaporation Rate: | NA |

FIRE AND EXPLOSION DATA

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| 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

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| 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

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| 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

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|---------------------------|----------------|
| Stability: | Stable |
| Condition to avoid: | Humidity |
| Incompatibles: | Nil |
| Decomposition products: | Nil |
| Hazardous polymerization: | Will not occur |

SPILL AND DISPOSAL PROCEDURES

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| 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

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|---------------------------------|--|
| 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.)

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| 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: | Acid |
|--------------------|------|

Air (I.C.A.O.)

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