

# MATERIAL SAFETY DATA SHEET

## Tanganyika Buffer

### Section I: MANUFACTURER'S NAME, ADDRESS, AND CONTACT INFORMATION

Seachem Laboratories, Inc.  
1000 Seachem Drive  
Madison, GA 30650

Emergency Telephone Number: 706-343-6060  
Telephone Number for Information: 706-343-6060  
Date Prepared: 03 July 2006

### SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

| Components (Chemical Identity; Common Names (s))              | OSHA PEL | ACGIH TLV | Other Limits |
|---|----------|-----------|--------------|
| Proprietary blend of powdered carbonate and bicarbonate salts | NA       | NA        | NA           |

### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

|                         |                           |   |                                   |
|-------------------------|---------------------------|---|-----------------------------------|
| Boiling Point           | NA                        | Specific Gravity (H <sub>2</sub> O = 1) | 2.12                              |
| Vapor Pressure (mm Hg)  | NA                        | Melting Point                           | Decomposes                        |
| Vapor Density (AIR = 1) | NA                        | Evaporation Rate (Butyl Acetate = 1)    | NA                                |
| Solubility in Water     | 17.1% @ 25 <sup>o</sup> C | Appearance and Odor                     | white odorless crystalline powder |

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

|                                    |    |
|------------------------------------|----|
| Flash Point (Method Used)          | NA |
| Flammable Limits                   | NA |
| LEL                                | NA |
| UEL                                | NA |
| Extinguishing Media                | NA |
| Special Fire Fighting Procedures   | NA |
| Unusual Fire and Explosion Hazards | NA |

### SECTION V: REACTIVITY DATA

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Stability                             | Stable under normal conditions of use |
| Conditions to Avoid                   | Incompatibilities                     |
| Incompatibility (Materials to Avoid)  | Acids                                 |
| Hazardous Decomposition or Byproducts | None                                  |
| Hazardous Polymerization              | Will Not Occur                        |
| Polymerization Conditions to Avoid    | None                                  |

## SECTION VI: HEALTH HAZARD DATA

|   |
|---|
| Route(s) of Entry: Eyes, skin, inhalation, ingestion  |
| Health Hazards (Acute): Large oral doses may cause irritation to the gastrointestinal tract, and alkalosis. Skin and eye irritation are possible. Inhalation may cause coughing or difficulty in breathing.                         |
| Carcinogenicity: NA   |
| Signs and Symptoms of Exposure: ingestion-nausea, abdominal pain; skin, eyes-reddening and irritation; inhalation-coughing  |
| Medical Conditions Generally Aggravated by Exposure: NA   |
| Emergency and First Aid Procedures: Ingestion-Give one or two glasses of water to drink to dilute. If large amounts were swallowed, get medical advice. Skin, eyes-Flush with water for 15 minutes. Inhalation-Remove to fresh air. |

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

|   |
|---|
| Steps to Be Taken in Case Material is Released or Spilled: Dilute with water and flush to drain.                                      |
| Waste Disposal Method: No special disposal method required, except that it be in accordance with current local authority regulations. |
| Precautions to Be Taken in Handling and Storing: Store dry until ready to use.  |
| Other Precautions: All materials should be handled under good housekeeping practices.   |

## SECTION VIII: CONTROL MEASURES

|  |                             |
|--|-----------------------------|
| Respiratory Protection                 | Recommended                 |
| Ventilation                            | Not required                |
| Protective Gloves                      | Recommended                 |
| Eye Protection                         | Recommended                 |
| Other Protective Clothing or Equipment | None                        |
| Work/Hygienic Practices                | Good housekeeping practices |

## ABBREVIATIONS

ACGIH: The American Conference of Governmental Industrial Hygienists, Inc.

IARC: The International Agency for Research on Cancer

LEL: Lower Explosive Limit (or Lower Flammable Limit)

NA: Not Applicable

ND: Not Determined

NTP: The National Toxicology Program

OSHA: The Occupational Health and Safety Administration

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

UEL: Upper Explosive Limit (or Upper Flammable Limit)

PAGE

PAGE 1