



Trade Name: MiniOne® TAE Buffer Concentrate (10X)

MSDS Revision Date: May 30th, 2024

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Code: M3101TAE

Trade Name: MiniOne® TAE Buffer Concentrate (10X)

Chemical Name: Tris-Acetate-EDTA Buffer

Synonym: TAE Buffer, TAE Concentrate

Company Identification: Embi Tec or The MiniOne Systems

7738 Arjons Drive
San Diego, CA 92126
USA
858-684-3190

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous

Components: This product contains small amount of TRIS, acetic acid and EDTA. Overall, this product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: May cause sensitization by skin contact. An eye irritant.

Potential Health Effects:

Eyes Direct contact can cause eye irritation including redness, tearing & pain. **Skin** May cause mild irritation in susceptible persons

Ingestion May cause gastrointestinal irritation, nausea & discomfort

SECTION 4: FIRST AID MEASURES

Skin contact: Wash off immediately with plenty of water

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Ingestion: Get medical attention immediately; never give anything by mouth to an unconscious person

Inhalation: Move to fresh air

Notes To physician: Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical

Special Protective

Equipment for Firefighters: Wear self-contained breathing apparatus and protective suit Page 1 of 4



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment

Methods for Cleaning Up: Soak up with inert absorbent material, if needed

SECTION 7: HANDLING AND STORAGE

Handling: No special handling advice required

Storage: Keep in properly labeled containers. Stored at 10 to 25°C (recommended).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values: None established

Exposure Controls: Use process enclosures, local exhaust ventilation, or other engineering controls as needed

Respiratory Protection: Use an approved air-purifying respirator as needed

Eye/Face Protection: Use safety glasses or chemical goggles

Skin/Hand Protection: Use chemical gloves as needed. Wear lightweight protective clothing

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice

Environmental Exposure

Controls: Prevent product from entering drains

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: None

Flash Point: Data not available

Viscosity: Data not available

Solubility: Aqueous solution

Density: Data not available

Boiling Point: 100°C

Melting Point: Data not available

pH: 8.13 – 8.23

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Materials To Avoid: No information available

Hazardous Decomposition

Products: No information available

Polymerization: Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TRIS: Oral LD50 for rat is 5900 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: No information available

Mobility: No information available



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Biodegradation: Inherently biodegradable
Bioaccumulation: Does not bioaccumulate

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

SECTION 14: TRANSPORT INFORMATION

IATA Proper Shipping Name: Not classified as dangerous in the meaning of transport regulations **IATA**
Hazard Class: Not classified as hazardous for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

SARA 313 Toxic Chemicals

This product is not regulated by SARA

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs

US State Regulations:

This product does not contain chemicals listed under California Proposition 65.

EU Regulations:

This preparation does not meet the dangerous preparations classification criteria under 1999/45/EC.
Components are listed on EINECS or exempted from listing.

Canadian Regulations:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and contains the information required by the CPR.
This product is classified as “non-controlled” under the WHMIS Hazard Class.

SECTION 16: OTHER INFORMATION

NFPA/HMIS Ratings: Health = 1; Fire = 0; Reactivity = 0, NFPA/Special = None

This product is sold for educational, research and/or development purposes only. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Embi Tec and The MiniOne Systems cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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ANY PARTICULAR PURPOSE.

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of Material Safety Data Sheet

