

# TREVIGEN<sup>®</sup>

## MATERIAL SAFETY DATA SHEET

### CHEMICAL IDENTIFICATION

**PRODUCT NAME:** Terminal Deoxynucleotidyl Transferase Labeling Buffer, (10X)

CATALOG NUMBERS: **4810-30-02**; 4817-60-02; 4810-30-CK; 4810-30-K; 4811-30-K; 4812-30-K; 4815-30-K; 4817-60-K; 4822-96-K; 4823-30-K; 4826-30-K; 4827-30-K; 4828-30-BK; 4828-30-DK; 4828-30-K; 4829-30-K

### COMPOSITION/INFORMATION ON INGREDIENTS:

Thimerosal (0.01%) CAS#: 54-64-8	SARA 313: No
2-Mercaptoethanesulfonic acid (< 0.01%) CAS#: none	SARA 313: No
Bovine serum albumin (0.5%) CAS#: 9048-46-8	SARA 313: No
N-[Tris(hydroxymethyl)methyl]-2-aminoethanesulfonic acid sodium salt solution, pH = 7.5 CAS#: 70331-82-7	SARA 313: No

### HAZARDS IDENTIFICATION

#### Label Precautionary Statements:

Thimerosal is present at a very low amount in the 10X TdT labeling buffer (0.01%). According to the OSHA Hazard Communications Standard (CFR 1910.1200), if a mixture contains less than 1% of a hazardous chemical or 0.1% of a carcinogen, the mixture shall not be considered hazardous. However, precautions for handling potentially dangerous reagents should be practiced when using these products. To aide in the determining handling procedures, we offer the following data:

LD<sub>50</sub> (thimerosal) = 75 mg/kg (rat: oral)

Possible Irritant: May cause skin, or eye irritation. May be harmful by inhalation, ingestion or skin absorption.

#### Emergency Overview:

HMIS RATING: Health: 1	Flammability: 1	Reactivity: 0
NFPA RATING: Health: 1	Flammability: 1	Reactivity: 0

### FIRST AID MEASURES:

Eye exposure: In case of contact, flush eyes with plenty of water for 15 minutes.  
Oral exposure: If swallowed, wash out mouth with water provided person is conscious.  
Dermal exposure: In case of contact, wash with plenty of soap and water.  
Inhalation exposure: If inhaled, remove to fresh air. If breathing with difficulty, give oxygen. If not breathing, give artificial respiration.

### FIRE FIGHTING MEASURES:

FLASH POINT	N/A
AUTOIGNITION TEMP	N/A
FLAMMABILITY	N/A
EXTINGUISHING MEDIA	

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

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**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear laboratory coat, safety goggles, rubber boots, and heavy rubber gloves. Wash contaminated clothing thoroughly after handling and before reuse.

**METHODS FOR CLEANING UP**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**HANDLING**

Storage: 4 °C

**STORAGE**

Suitable: Keep tightly closed.

**STABILITY**

Stable: Stable.

Materials to Avoid: Strong Oxidizing agents.

**ROUTE OF EXPOSURE**

Inhalation: May be harmful; material may be irritating to mucous membranes and upper respiratory tract.  
Skin: May be harmful if absorbed through the skin; may cause skin irritation.  
Eyes: May cause eye irritation.  
Ingestion: May be harmful if swallowed.

**DISPOSAL**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix this liquid with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**SHIPPING**

DOT: Not Hazardous

IATA: Not Hazardous

**REGULATORY INFORMATION**

SARA LISTED: No

**CANADA REGULATORY INFORMATION:**

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: Yes

**OTHER INFORMATION**

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product. This MSDS does not represent any guarantee of the properties of the product.

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