



# SIGMA-ALDRICH

## Material Safety Data Sheet

Date Printed: 08/31/2000  
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Version 1.0

### Section 1 - Product and Company Information

<b>Product Name</b>	TRIS-ACETATE-EDTA BUFFER, 10X CONCENTRATE MOLECULAR BIOLOGY REAGENT		
<b>Product Number</b>	T9650		
<b>Brand</b>	Sigma Chemical		
<b>Company</b>	Sigma-Aldrich		
<b>Street Address</b>	3050 Spruce Street		
<b>City, State, Zip, Country</b>	St. Louis, MO, 63103, US		
<b>Technical Phone:</b>	314 771 5765	<b>Emergency Phone:</b>	414 273 3850 Ext.5996
<b>Fax:</b>	800 325 5052		

### Section 2 - Composition/Information on Ingredient

<b>Substance Name</b>	<b>CAS #</b>
TRIS ACETATE-EDTA BUFFER CONCENTRATE	None

**Formula**  
**Synonyms**

### Section 3 - Hazards Identification

#### Emergency Overview

Harmful.

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system, and skin.

Target organ(s): Liver. Kidneys.

For additional information on toxicity, please refer to Section 11.

### Section 4 - First Aid Measures

#### Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### Inhalation Exposure

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

#### Eye Exposure

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

### Section 5 - Fire Fighting Measures

#### Extinguishing Media

Suitable

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

## Firefighting

### Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Specific Hazard(s)

Emits toxic fumes under fire conditions.

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## Section 6 - Accidental Release Measures

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### Procedure(s) of Personal Precaution(s)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

### Methods for Cleaning Up

Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

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## Section 7 - Handling and Storage

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## Section 8 - Exposure Controls / PPE

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### Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

### Personal Protective Equipment

#### Respiratory

NIOSH/MSHA-approved respirator.

#### Hand

Compatible chemical-resistant gloves.

#### Eye

Chemical safety goggles.

### General Hygiene Measures

Wash contaminated clothing before reuse.

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## Section 9 - Physical/Chemical Properties

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### Appearance

#### Physical State

Liquid

### Property

### Value

pH

BP/BP Range

MP/MP Range

Freezing Point

Vapor Pressure

Vapor Density

Saturated Vapor Conc.

SG/Density

Bulk Density

Odor Threshold

Volatile%

VOC Content

Water Content

Solvent Content

Evaporation Rate

Viscosity

Partition Coefficient

Decomposition Temp.

Flash Point °F

Flash Point °C

## Section 10 - Stability and Reactivity

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### Stability

#### Stable

Stable.

#### Materials to Avoid

Acids, Bases, Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Oxides, Sulfur, Acid anhydrides, Peroxides, Permanganates, Amines, Alcohols.

### Hazardous Decomposition Products

#### Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide.

### Hazardous Polymerization

#### Hazardous Polymerization

Will not occur.

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## Section 11 - Toxicological Information

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### Route of Exposure

#### Skin Contact

Causes skin irritation.

#### Multiple Routes

Harmful if swallowed, inhaled, or absorbed through skin. Vapor or mist is irritating to the eyes, mucous membranes, and upper respiratory tract.

### Target Organ(s) or System(s)

Liver. Kidneys. Cardiovascular system. Teeth.

RTECS Number:

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## Section 12 - Ecological Information

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## Section 13 - Disposal Considerations

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### Appropriate Method of Disposal of Substance or Preparation

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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## Section 14 - Transport Information

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## Section 15 - Regulatory Information

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### US Classification and Label Text

#### Indication of Danger

Harmful.

#### Risk Statements

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system, and skin.

#### Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

#### US Statements

Target organ(s): Liver. Kidneys.

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**Section 16 - Other Information**

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**Warranty**