



1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 3  
Revision Date 05/14/2025

### · PRODUCT AND COMPANY IDENTIFICATION

Product name: Tris-Glycine-SDS 10X Buffer  
Product Number: 655  
Brand: Edvotek  
Supplier: Edvotek  
1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
Telephone: 1-800-338-6835  
or 202-370-1500

Fax: 202-370-1501  
Emergency Phone # (For both supplier and Manufacturer):  
202-370-1500

### · HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards:

Target Organ Effect, Harmful by ingestion. Toxic by skin absorption, Irritant

#### Signal word

Warning

#### Pictogram



#### Hazard statement(s)

**H316** Causes mild skin irritation.  
**H319** Causes serious eye irritation.

#### Precautionary statement(s)

**P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**COMPOSITION/INFORMATION ON INGREDIENTS**

**HMIS Classification:**

Health hazard: 2

Flammability: 0

Physical hazard: 0

**NFPA Rating:**

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

**Inhalation:** May be harmful if inhaled.

Causes respiratory tract irritation

**Skin-** May be harmful if absorbed.

through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Ingestion:** Harmful if swallowed.

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS -No	Concentration
Tris (hydroxymethyl) aminomethane	201-064-4	77-86-1	
Sodium dodecyl sulphate	205-788-1	77-86-1	

**FIRST AID MEASURES**

**General information**

No special measures required.

**If inhaled**

If breathed in, move person into fresh air.

If not breathing, give artificial respiration.

Consult doctor in case of complaints.

**In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

**In case of eye contact**

Flush eyes with water as a precaution.

Get medical attention immediately if irritation persists.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## · FIREFIGHTING MEASURES

### **Conditions of flammability**

Not flammable or combustible.

### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **Suitable extinguishing media**

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### **Hazardous combustion products**

May emit toxic and/or irritating fumes under fire conditions.

## · ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

### **Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### **Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## · HANDLING AND STORAGE

### **Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

### **Conditions for safe storage**

No special measures necessary. Store at room temperature.

### **Incompatible Products**

No known products.

## **EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### **Eye protection**

Avoid eye contact with this material. Wear chemical safety glasses with side shields or chemical safety goggles.

### **Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	liquid
Color	colorless
Odor	Odorless

### Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

## STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available.

### Conditions to avoid

No further relevant data available.

### Materials to avoid

Oxidizing agents, Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Sodium oxides

## TOXICOLOGICAL INFORMATION

### **Acute toxicity LD/LC50 values**

no data available

### **Serious eye damage/eye irritation**

no data available

### **Respiratory or skin sensitization**

no data available

### **Germ cell mutagenicity**

no data available

### **Skin corrosion/irritation**

no data available

### **Carcinogenicity**

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

### **Reproductive toxicity**

no data available

### **Teratogenicity**

no data available

### **Aspiration hazard**

no data available

### **Synergistic effects**

no data available

## · ECOLOGICAL INFORMATION

### **Toxicity**

no data available

no data available

### **Persistence and degradability**

no data available

### **PBT and vPvB assessment**

no data available

### **Bioaccumulative potential**

no data available

### **Other adverse effects**

no data available

### **Mobility in soil**

## · DISPOSAL CONSIDERATIONS

### **Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

### **Contaminated packaging**

Dispose of as unused product.

## · TRANSPORT INFORMATION

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## · REGULATORY INFORMATION

### **OSHA Hazards**

Target Organ Effect, Harmful by ingestion. Toxic by skin absorption, Irritant

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

No SARA Hazards

## **OTHER INFORMATION**

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

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