

# SAFETY DATA SHEET

Date Created 02/23/2022

Date Updated

Version 1.0

## Section 1-Identification of the substance/mixture and of the company/undertaking

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### 1.1 Identification of the substance or mixture

Product code : M00928, M00929, M00930, M00938

Product name : YoungPAGE, Bis-Tris, 10x8

### 1.2 Company/undertaking identification

GenScript Technologies : Laboratory chemicals, Manufacture of substances

### 1.3 24 hour Emergency Response: Emergency

Phone# : 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : [product@genscript.com](mailto:product@genscript.com)

Web : <http://www.genscript.com>

### 1.4 For Research Use Only. Not for use in diagnostic procedures.

## Section 2- Hazards identification

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### 2.1 GHS - Classification

#### Signal Word

Not hazardous

#### Health hazards

Not hazardous

#### Physical hazards

Not hazardous

#### Hazard Statements

Not Applicable

#### Precautionary Statements

Not Applicable

### 2.2 Principle Routes of Exposure Potential Health Effects Eyes

May cause eye irritation with susceptible persons.

#### Skin

May cause skin irritation in susceptible persons.

#### Inhalation

May be harmful by inhalation.

#### Ingestion

May be harmful if swallowed.

### 2.3 Specific effects

#### Carcinogenic effects

None.

#### Mutagenic effects

None.

**Reproductive toxicity**

None.

**Sensitization**

none

**Target Organ Effects**

No known effects under normal use conditions.

**2.4 HMIS**

Health	0
Flammability	0
Reactivity	0

**Section 3- Composition/information on ingredients**

Chemical Name	CAS-No	EINECS-No	Weight %
Bis-Tris	6976-37-0	230-237-7	7.33
Glycerol	56-81-5	200-289-5	6.32
EDTA	6381-92-6	200-449-4	0.03

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Section 4- First aid measures****4.1 Skin contact**

May cause skin irritation in susceptible persons.

**4.2 Eye contact**

May cause eye irritation with susceptible persons.

**4.3 Ingestion**

May be harmful if swallowed.

**4.4 Inhalation**

May be harmful by inhalation.

**4.4 Notes to Physician**

Treat symptomatically.

**Section 5- Firefighting measures****5.1 Suitable extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**5.2 Special protective equipment for firefighters**

Standard procedure for chemical fires.

**Section 6- Accidental release measures****6.1 Personal precautions**

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

**6.2 Methods for cleaning up**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### 6.3 Environmental precautions

No special environmental precautions required.  
 See Section 12 for more information.

## Section 7- Handling and storage

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### 7.1 Handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

### 7.2 Storage

Storage at 4°C

## Section 8- Exposure controls/personal protection

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### 8.1 Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Bis-Tris	None	None	None	None
Glycerol	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	None	None	None
EDTA	None	None	None	None

### 8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

### 8.3 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Impervious gloves.

#### Eye protection

Wear safety glasses with side shields (or goggles).

#### Skin and Body Protection

Lightweight protective clothing.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### 8.4 Environmental exposure controls

No special environmental precautions required.

## Section 9- Physical and chemical properties

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### 9.1 General information

Form	Liquid
Appearance	Liquid solution / gel
Odor	No data available

Odor Threshold	No data available
Boiling point / boiling range	°C No data available °F No data available
Melting point / melting range	°C No data available °F No data available
flash point:	°C No data available °F No data available
Autoignition Temperature	°C No data available °F No data available
Oxidizing properties	No data available
Water solubility	No data available

## Section 10- Stability and safety

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### 10.1 Stability

Stable under normal conditions.

### 10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

### 10.3 Hazardous decomposition

None under normal use conditions.

### 10.4 Products polymerization

Hazardous polymerization does not occur.

## Section 11-Toxicological information

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### 11.1 Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Bis-Tris	No data available	No data available	No data available
Glycerol	No data available	No data available	>570mg/m <sup>3</sup> (Rat)
EDTA	No data available	No data available	No data available

No toxicology information is available.

### 11.2 Principle Routes of Exposure Potential Health Effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

## Section 12- Ecological information

<b>12.1 Ecotoxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.				
<b>12.2 Mobility</b>	No information available.				
<b>12.3 Biodegradation</b>	Inherently biodegradable.				
<b>12.4 Bioaccumulation</b>	Material does not bioaccumulate.				
<b>Chemical Name</b>	<b>Freshwater Algae Data</b>	<b>Water Flea Data</b>	<b>Freshwater Fish Species Data</b>	<b>Microtox Data</b>	<b>log Pow</b>
<b>Bis-Tris</b>	-	-	-	-	-
<b>Glycerol</b>	-	-	-	-	logPow-1.76
<b>EDTA</b>	-	-	-	-	-

## Section 13- Disposal considerations

Dispose of contents/containers in accordance with local regulations.

## Section 14- Transport information

### 14.1 IATA

<b>Proper Shipping Name</b>	No dangerous good in sense of these transport regulations
<b>Hazard Class</b>	None
<b>Subsidiary class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	None

## Section 15- Regulatory information

### 15.1 US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

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

This product does not contains HAPs.

### 15.2 US State Regulations

<b>Chemical Name</b>	<b>Massachusetts - RTK</b>	<b>New Jersey - RTK</b>	<b>Pennsylvania - RTK</b>	<b>Illinois - RTK</b>	<b>Rhode Island - RTK</b>
<b>Bis-Tris</b>	-	-	-	-	-
<b>Glycerol</b>	Listed	-	Listed	-	Listed
<b>EDTA</b>	-	-	-	-	-

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### **15.3 WHMIS Hazard Class**

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## **Section 16- Other information**

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### **16.1 Reason for revision**

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

"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 present unknown hazards and should be used with caution.

Since the Company 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.

THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

**End of Safety Data Sheet**