Safety data sheet

10x Tris-Glycine Buffer

Product name 10x Tris-Glycine Buffer	Catalog no. TG05, TG10, TG100, TG10-500, TG10-1000
Synonyms Tris-Glycine Running Buffer, 10x	Revision date -
CAS no. -	Document version / date 1.0 / 26 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	10x Tris-Glycine Buffer
Product code	TG05, TG10, TG100, TG10-500, TG10-1000
CAS number	-
EC number	-
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not classified as dangerous under GHS in the product safety information.
Label elements	No GHS hazard pictogram or signal word assigned in the product classification.
Symbols / pictograms	None
Signal word	None
Hazard statements	None assigned to the finished product in the classification.
Precautionary statements - Prevention	Wash hands thoroughly after handling; wear suitable gloves and eye protection.
Precautionary statements - Response	If exposed or concerned: rinse exposed area and seek medical advice if symptoms persist.
Other hazards	Eye irritation is reported in toxicological information; avoid eye exposure.

Composition & response

10x Tris-Glycine Buffer | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	10x Tris-Glycine Buffer
Synonyms	Tris-Glycine Running Buffer, 10x
Concentration	10x
Formula	-
Molecular weight	-
Mixture statement	Water (CAS 7732-18-5): 70-90%; glycine (CAS 56-40-6): 9-15%; Tris base (CAS 77-86-1): 1-5%.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if symptoms persist.
Skin contact	Rinse with plenty of water; seek medical advice if irritation persists.
Inhalation	Not expected to be an inhalation hazard during normal use. Move to fresh air if discomfort occurs.
Ingestion	Not expected to present a significant ingestion hazard under normal use. Seek medical advice if unwell.
Self-protection of first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	Serious eye irritation is described in the toxicological information.
Immediate medical attention / treatment	Treat symptomatically; obtain medical advice if symptoms persist.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate to local conditions and the surrounding fire.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	No specific hazards reported during normal use.
Explosion data	No information available.
Advice for firefighters	Wear self-contained breathing apparatus and suitable protective equipment as necessary.

Safe use & protection

10x Tris-Glycine Buffer | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear suitable protective equipment and avoid direct contact with skin and eyes.
Environmental precautions	No special environmental precautions specified.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material.
Reference to other sections	Refer to Section 8 for protective equipment and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Use suitable personal protective equipment and standard laboratory hygiene.
Conditions for safe storage	Keep properly labelled in a cool, dry, well-ventilated place.
Container labeling	Keep in correctly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No product-specific occupational exposure limit values have been identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, particularly in confined areas.
Hygiene measures	Wash hands after handling. Do not eat, drink or smoke during use.
Eye / face protection	Wear laboratory safety glasses with side shields.
Hand protection	Wear protective gloves.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Not normally needed with adequate ventilation; use appropriate protection if ventilation is inadequate.

Material properties

10x Tris-Glycine Buffer | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Odorless
Odor threshold	No data available
pH	8.3
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical stability	Stable in a cool, dry place.
Possibility of hazardous reactions	None reported under normal processing conditions.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No dangerous reaction known under normal use.
Hazardous decomposition products	No data available.

Health & environment

10x Tris-Glycine Buffer | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No evidence of acute toxicity reported for the mixture.
Skin corrosion / irritation	Data insufficient for classification.
Serious eye damage / eye irritation	Serious eye irritation is reported.
Carcinogenicity	Data insufficient for classification.
Reproductive toxicity	Data insufficient for classification.
STOT - SE	Data insufficient for classification.
STOT - RE	Data insufficient for classification.
Aspiration hazard	Data insufficient for classification.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation.
Skin: May cause skin irritation.
Eyes: Serious eye irritation is reported.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Environmental impact of this mixture has not been fully investigated.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No assessment available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of product through a licensed waste disposal service in accordance with applicable regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

10x Tris-Glycine Buffer | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR / RID	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

Special precautions for user	Not regulated as dangerous goods for transport. Use appropriate packaging.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH and CLP provisions apply as relevant. Product-specific authorisations or restrictions are not identified.
Environmental hazards	See Section 12 for product-specific ecological information.
Chemical Safety Assessment	No chemical safety assessment is reported for the product.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail