Safety data sheet

ClearBand 10x Tris-Buffered Saline, pH 7.6

Product name ClearBand 10x Tris-Buffered Saline, pH 7.6	Catalog no. TB05, TB10
Synonyms 10x TBS; Tris-buffered saline	Original SDS revision v1 (two equivalent sources)
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand 10x Tris-Buffered Saline, pH 7.6
Product code	TB05, TB10
CAS number	-
EC number	-
Recommended use	Concentrated washing/dilution buffer for Western blotting and ELISA. Dilute to 1x before 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

GHS/CLP classification	Not classified as hazardous according to the supplied GHS mixture information.
GHS H-statements	None
GHS pictograms	None
Signal word	None
Precautionary statements - prevention	Wash hands thoroughly after handling and use appropriate laboratory personal protective equipment.
Precautionary statements - response	If exposed or concerned, seek medical advice as needed.
Other hazards	No other hazards identified in the available mixture information.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand 10x Tris-Buffered Saline, pH 7.6
Synonyms	10x TBS; Tris-buffered saline
Concentration	10x
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Aqueous 10x Tris-buffered saline (TBS) mixture. No components require hazard disclosure at the stated mixture concentrations. This is TBS without added Tween 20.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse eyes cautiously with water for several minutes; remove contact lenses if easy to do.
Skin contact	Rinse affected skin with plenty of water.
Inhalation	No significant inhalation hazard expected under normal use; move to fresh air and seek medical advice if necessary.
Ingestion	No significant ingestion hazard expected under intended conditions. If unwell, seek medical advice.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	No specific symptoms are identified.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate for the surrounding fire.
Unsuitable extinguishing media	No data available
Specific hazards arising from the mixture	No specific hazards known.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Use standard protective equipment for chemical fires.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear suitable personal protective equipment; avoid unnecessary skin and eye exposure.
Environmental precautions	No special environmental precautions are identified for normal small spills.
Methods and materials for containment and cleaning up	Absorb spilled liquid with inert absorbent material and collect safely.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Apply good laboratory practice and appropriate personal protection. Dilute 10x concentrate to 1x before use.
Conditions for safe storage	Store in a cool, dry and well-ventilated place at room temperature, in properly labelled containers. Use prepared 1x solution within 1 week.
Container labelling	Keep original container properly closed and labelled.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No specific mixture occupational exposure limit values are identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Use good laboratory and industrial hygiene. Do not eat, drink or smoke while handling. Wash hands after use.
Eye / face protection	Wear safety glasses with side shields or protective goggles conforming to EN 166.
Hand protection	Wear suitable chemical-resistant gloves; inspect gloves before use.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Use suitable respiratory protection when ventilation is insufficient.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Odorless
Odor threshold	No data available
pH	7.6
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 under normal use.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None expected under normal handling.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No dangerous reaction known under normal conditions of use.
Hazardous decomposition products	No data available

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No evidence of acute toxicity in the mixture information provided.
Skin corrosion / irritation	Insufficient information for a hazardous classification.
Serious eye damage / eye irritation	Insufficient information for a hazardous classification.
Carcinogenicity	Insufficient information for a hazardous classification.
Reproductive toxicity	Insufficient information for a hazardous classification.
STOT - SE	Insufficient information for a hazardous classification.
STOT - RE	Insufficient information for a hazardous classification.
Aspiration hazard	Insufficient information for a hazardous classification.

11.2 Potential health effects

Ingestion, inhalation, skin and eye exposure: no significant adverse effects expected during intended laboratory use; consult a physician if symptoms occur.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Mixture-specific ecotoxicity 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 data available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

- = Not applicable / not assigned.

Special precautions for user	Keep tightly closed during transport. Follow normal laboratory precautions.
Transport in bulk according to MARPOL / IBC	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Applicable REACH and CLP regulatory provisions; no listed SVHC identified in the supplied SDS.
Environmental hazards	None identified in the available transport classification.
Chemical safety assessment	Not carried out.

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 and Very Bioaccumulative
ADR	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 Dangerous Goods Code
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail