Safety data sheet

ClearBand 10x PBST, pH 7.4

Product name ClearBand 10x PBST, pH 7.4	Catalog no. PBST1005, PBST1010
Synonyms Phosphate-buffered saline with Tween 20 (PBST)	Original SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand 10x PBST, pH 7.4
Product code	PBST1005, PBST1010
CAS number	-
EC number	-
Recommended use	Washing buffer for western blotting and ELISA; for research use only.
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 under Regulation (EC) No. 1272/2008 (CLP): physical, health and environmental hazards not classified.
GHS H-statements	None
GHS pictograms	None
Signal word	None
Precautionary statements - prevention	Normal laboratory precautions apply.
Precautionary statements - response	None required for CLP labelling.
Other hazards	No PBT/vPvB components are identified in the mixture assessment.

Composition & response

ClearBand 10x PBST, pH 7.4 | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand 10x PBST, pH 7.4
Synonyms	Phosphate-buffered saline with Tween 20 (PBST)
Concentration	10x
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Aqueous 10x phosphate-buffered saline with Tween 20, pH 7.4. The final 1x working solution contains 0.05% Tween 20. No components requiring hazardous-ingredient disclosure are identified.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do and continue rinsing.
Skin contact	Rinse affected skin with water. No immediate medical attention is generally required.
Inhalation	Not expected to present an inhalation hazard during normal use; consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard during normal use; seek medical advice if feeling unwell.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	No specific symptoms identified.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical, suitable 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 a chemical fire.

Safe use & protection

ClearBand 10x PBST, pH 7.4 | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation and wear standard laboratory PPE.
Environmental precautions	No special environmental precautions identified; prevent uncontrolled discharge.
Methods and materials for containment and cleaning up	Absorb spills with inert material and transfer to labelled containers.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Use appropriate protective equipment and standard laboratory hygiene.
Conditions for safe storage	Keep tightly closed at room temperature (15-25°C). After dilution to 1x, use within one week.
Container labelling	Keep in properly labelled containers.

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

ClearBand 10x PBST, pH 7.4 | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor threshold	No data available
pH	7.4
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	Stable.
Chemical stability	Stable in a cool, dry place.
Possibility of hazardous reactions	No hazardous reactions reported.
Conditions to avoid	No data available
Incompatible materials	No dangerous reaction known under normal conditions of use.
Hazardous decomposition products	No data available

Health & environment

ClearBand 10x PBST, pH 7.4 | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No evidence of acute toxicity was provided.
Skin corrosion / irritation	Available data are insufficient for classification.
Serious eye damage / eye irritation	Available data are insufficient for classification.
Carcinogenicity	Available data are insufficient for classification.
Reproductive toxicity	Available data are insufficient for classification.
STOT - SE	Available data are insufficient for classification.
STOT - RE	Available data are insufficient for classification.
Aspiration hazard	Available data are insufficient for classification.

11.2 Potential health effects

Ingestion: Data are insufficient for classification.
Inhalation: Data are insufficient for classification.
Skin: Data are insufficient for classification.
Eyes: Data are insufficient for classification.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No substances known to be hazardous to the environment or nondegradable in wastewater treatment are identified.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No PBT/vPvB substances identified.

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

ClearBand 10x PBST, pH 7.4 | SAFETY DATA SHEET / SECTIONS 14-16

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	REACH and CLP regulations, as applicable. No listed SVHC or Annex XIV substances identified.
Environmental hazards	Not applicable.
Chemical safety assessment	No chemical safety assessment has been 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