Safety data sheet

Phosphate Buffered Saline (1x)

Product name Phosphate Buffered Saline (1x)	Catalog no. PBS1x-500, PBS1x-50010
Synonyms 1x PBS	Source SDS revision -
CAS no. -	Format version / date 1.0 / 23 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	Phosphate Buffered Saline (1x)
Product code	PBS1x-500, PBS1x-50010
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 / fax	0090 442 282 20 06 -124
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	Classification according to Regulation (EC) No. 1272/2008 [CLP]. Physical hazards: Not Hazardous. s: Not Hazardous. al hazards: Not Hazardous.
Label elements	None.
Symbols / pictograms	None
Signal word	None
Hazard statements	Not Applicable
Precautionary statements - Prevention	Not Applicable
Precautionary statements - Response	Not Applicable
Other hazards	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Composition & response

Phosphate Buffered Saline (1x) | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	Phosphate Buffered Saline (1x)
Synonyms	PBS
Concentration	1x
Formula	-
Molecular weight	-
Mixture statement	The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

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. Continue rinsing.
Skin contact	Rinse skin with water. Immediate medical attention is not required.
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Self-protection of first aider	Use personal protective equipment as required. No special handling advices are necessary.
Most important symptoms / effects	Symptoms: Not Applicable.
Immediate medical attention / treatment	Note to physicians: Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Not known.
Explosion data	Sensitivity to Mechanical Impact: No information available. Sensitivity to Static Discharge: No information available.
Advice for firefighters	Standard procedure for chemical fires.

Safe use & protection

Phosphate Buffered Saline (1x) | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material.
Reference to other sections	For disposal see section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use personal protective equipment as required. No special handling advices are necessary.
Conditions for safe storage	Keep tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances.
Container labeling	Keep in properly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handing.
Eye / face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Skin and body protection	Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.
Respiratory protection	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Material properties

Phosphate Buffered Saline (1x) | 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 at a cool and dry place.
Possibility of hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available.

Health & environment

Phosphate Buffered Saline (1x) | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	There is no evidence available indicating acute toxicity.
Skin corrosion / irritation	Data are conclusive but insufficient for classification.
Serious eye damage / eye irritation	Data are conclusive but insufficient for classification.
Carcinogenicity	Data are conclusive but insufficient for classification.
Reproductive toxicity	Data are conclusive but insufficient for classification.
STOT - SE	Data are conclusive but insufficient for classification.
STOT - RE	Data are conclusive but insufficient for classification.
Aspiration hazard	Data are conclusive but insufficient for classification.

11.2 Potential health effects

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

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with federal, state and local requirements.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

Phosphate Buffered Saline (1x) | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	al hazards
DOT (US)	N/A	Not regulated in the meaning of transport regulations.	N/A	N/A	Not specified
IMDG	N/A	Not regulated in the meaning of transport regulations.	N/A	N/A	Not specified
IATA	N/A	Not regulated in the meaning of transport regulations.	N/A	N/A	Not specified

Special precautions for user	Not specified in source.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not specified in source.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Substances of Very High Concern: None. Substance subject to authorisation per REACH Annex XIV: None. Restricted substances under EC 1907/2006, Annex XVII: None. Substances listed under Annex I of Regulation (EC) No 689/2008: None. Restricted substances under Annex V of Regulation (EC) No 689/2008: None.
al 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 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