Safety data sheet

1x Red Blood Cell Lysis Buffer

Product name 1x Red Blood Cell Lysis Buffer	Catalog no. RBCLB01, RBCLB05
Synonyms RBLC Buffer	Source SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	1x Red Blood Cell Lysis Buffer
Product code	RBCLB01, RBCLB05
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 hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazardous label elements required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements - Prevention	Not applicable
Precautionary statements - Response	Not applicable
Other hazards	This mixture does not contain any substances assessed as PBT or vPvB.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	1x Red Blood Cell Lysis Buffer
Synonyms	RBLC Buffer
Concentration	1x
Formula	-
Molecular weight	-
Mixture statement	The mixture has no components disclosed as hazardous at the concentrations present. Handle all chemicals with caution.

04 FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Immediately remove contaminated clothing. Move away from danger; consult a physician and show the safety data sheet.
Eye contact	Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid.
Skin contact	Flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain medical aid.
Inhalation	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Obtain medical aid.
Ingestion	Do not induce vomiting without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical aid.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	No information available.
Notes to physicians	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, dry chemical, carbon dioxide, or chemical foam.
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	Wear NIOSH-approved (or equivalent) pressure-demand self-contained breathing apparatus and full protective gear. Hazardous fumes may be generated during a fire.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear protective equipment; keep unprotected persons away. Ensure adequate ventilation. Remove ignition sources; prevent further spill if safe.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Prevent further leakage if safe. Vacuum, sweep or absorb with inert material and transfer to a suitable disposal container.
Reference to other sections	For disposal see section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Wash after handling. Avoid breathing fumes; ensure ventilation. Wear protective clothing, gloves, and eye/face protection. Keep away from ignition sources. Do not eat, drink or smoke.
Conditions for safe storage	Keep the container tightly closed in a 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	Use adequate general and local exhaust ventilation. Provide an eyewash station; avoid contact with skin, eyes and clothing.
Hygiene measures	Do not eat, drink or smoke while using. Wash hands, forearms and face after handling.
Eye / face protection	Wear splash-resistant goggles or safety glasses with side protection; a face shield may be appropriate. Use EN166 / OSHA-compliant eye protection.
Hand protection	Select protective gloves based on exposure, duration and chemical resistance of the glove material.
Skin and body protection	Select protective clothing for the workplace hazards and duration. At minimum wear a laboratory coat and closed-toe footwear.
Respiratory protection	Respirators do not replace engineering controls. If required by exposure assessment, use NIOSH- or CEN-certified respiratory protection.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
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 under recommended temperatures and pressures.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No dangerous reaction known under conditions of normal 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 product-specific acute toxicity data available.
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

General health effects: Contains no substances known to be hazardous. These data do not replace precautionary laboratory practice.

11.3 Additional information

No information available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in wastewater 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	PBT/vPvB assessment not available; a chemical safety assessment was not required or conducted.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Contact a licensed professional waste disposal service. Dispose of according to applicable local, national and international 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)	N/A	Not regulated.	N/A	N/A	-
IMDG	N/A	Not regulated in the meaning of transport regulations.	N/A	N/A	-
IATA	N/A	Not regulated.	N/A	N/A	-

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	The product is not listed on the EPA Toxic Substances Control Act (TSCA) inventory. It is supplied solely for research and development by or under technically qualified personnel (40 CFR 720 et seq.). Health risks are not fully determined.
Environmental hazards	No additional information available.
Chemical safety assessment	Not available.

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, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Transport of Dangerous Goods by Rail