Safety data sheet

ClearBand Laemmli Sample Buffer (2x)

Product name ClearBand Laemmli Sample Buffer (2x)	Catalog no. LSB-2x
Synonyms Laemmli sample loading buffer, 2x	Original SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Laemmli Sample Buffer (2x)
Product code	LSB-2x
CAS number	-
EC number	-
Recommended use	Concentrated protein sample loading buffer 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 according to Regulation (EC) No. 1272/2008 (CLP).
GHS H-statements	None
GHS pictograms	None
Signal word	None
Precautionary statements - prevention	None
Precautionary statements - response	None
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Laemmli Sample Buffer (2x)
Synonyms	Laemmli sample loading buffer, 2x
Concentration	2×
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition	This product is a liquid mixture (2x concentrate). No components require disclosure according to the applicable classification criteria.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately rinse eyes, including under eyelids, with plenty of water for at least 15 minutes. Seek medical advice if irritation occurs.
Skin contact	Wash with plenty of water for at least 15 minutes. Remove contaminated clothing.
Inhalation	Move to fresh air. Seek medical advice if discomfort occurs.
Ingestion	Rinse mouth and drink water if conscious. Do not induce vomiting. Seek medical attention.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	The toxicological information includes reports of serious eye irritation or damage.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate for the surrounding environment.
Unsuitable extinguishing media	No data available
Specific hazards arising from the mixture	No special hazards are established.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus and full protective equipment if necessary.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment, avoid contact with eyes or skin and isolate spill area.
Environmental precautions	Prevent uncontrolled release into drains, sewers and surface waters.
Methods and materials for containment and cleaning up	Collect spilled liquid in suitable closed containers for disposal.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Ensure adequate ventilation and use personal protective equipment. Avoid eye and skin contact.
Conditions for safe storage	Keep containers tightly closed and store at 22-25°C in a dry, ventilated place.
Container labelling	Keep containers properly 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	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	Stable.
Chemical stability	Stable in a cool and dry place.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	No data available

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Sodium dodecyl sulfate (ingredient) reference values: oral LD50 rat 1,288 mg/kg; dermal LD50 rabbit 580 mg/kg; inhalation rat 3,900 mg/m³ (1 h). These are not whole-mixture LD50 values.
Skin corrosion / irritation	Mixture-specific skin corrosion / irritation data not available.
Serious eye damage / eye irritation	Serious eye damage is described in toxicological information, although no hazard class is assigned in Section 2.
Carcinogenicity	No carcinogenic ingredients identified in the listed agencies.
Reproductive toxicity	No data available.
STOT - SE	No data available
STOT - RE	No data available
Aspiration hazard	No data available

11.2 Potential health effects

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

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Environmental effect of the complete mixture is not established. Ingredient sodium dodecyl sulfate: fish LC50 values from approximately 1.31 to 22.8 mg/L across tested species (96 h).
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.

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	Regulation (EC) No. 1907/2006 (REACH) and legacy EU guidance. SARA and US right-to-know components are not reported above disclosure thresholds.
Environmental hazards	See Section 12.
Chemical safety assessment	-

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