Safety data sheet

ClearBand Lyse & Load

Product name ClearBand Lyse & Load	Catalog no. LL5ML
Synonyms Protein sample lysis and loading buffer	Original SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Lyse & Load
Product code	LL5ML
CAS number	-
EC number	-
Recommended use	Protein sample preparation, lysis and loading for SDS-PAGE; 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 the Globally Harmonized System (GHS).
GHS H-statements	None
GHS pictograms	None
Signal word	None
Precautionary statements - prevention	Wash hands thoroughly after handling. Follow general laboratory hygiene practices.
Precautionary statements - response	If exposed or concerned, seek medical advice or attention.
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Lyse & Load
Synonyms	Protein sample lysis and loading buffer
Concentration	Ready-to-use buffer
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Sodium dodecyl sulfate (CAS 151-21-3): <1% w/w. Sodium deoxycholate (CAS 302-95-4): 0.5-2% w/w. Other components are not individually disclosed.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately rinse with plenty of water, including beneath eyelids, for at least 15 minutes. Remove contact lenses if possible and continue rinsing; seek medical advice if irritation persists.
Skin contact	Wash with plenty of water for at least 15 minutes. Remove and wash contaminated clothing. Seek medical advice if skin irritation persists.
Inhalation	Move to fresh air. Seek medical advice if symptoms persist. Trained personnel may need to provide respiratory assistance if breathing stops.
Ingestion	Rinse mouth, give water to a conscious person if appropriate, and do not induce vomiting. Never give anything by mouth to an unconscious person; seek medical advice.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	No specific symptoms established for the mixture. Irritation is possible after contact.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available
Specific hazards arising from the mixture	No information available.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus and full protective gear as appropriate.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear suitable PPE. Avoid eye and skin contact; keep unnecessary personnel away from the spill.
Environmental precautions	Prevent entry into drains, sewers and surface water.
Methods and materials for containment and cleaning up	Absorb spilled liquid with inert material; collect into suitable labelled containers. Clean the affected area while preventing runoff.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Ensure adequate ventilation and use appropriate protective equipment. Avoid contact with skin and eyes.
Conditions for safe storage	Store at room temperature, preferably 15-25°C, with the container tightly closed in a dry, ventilated place.
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

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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	Not applicable under normal handling conditions.
Chemical stability	Stable under normal conditions in a cool, dry place.
Possibility of hazardous reactions	None reported under normal processing.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides may be formed in a fire.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Ingredient reference values only: sodium dodecyl sulfate oral LD50 1,288 mg/kg (rat), dermal LD50 580 mg/kg (rabbit); sodium deoxycholate oral LD50 1,370 mg/kg (rat). These are not whole-mixture values.
Skin corrosion / irritation	May cause skin irritation in susceptible persons.
Serious eye damage / eye irritation	May cause eye irritation in susceptible persons.
Carcinogenicity	No carcinogenic ingredients are identified in the listed information.
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: May cause irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Environmental impact of the mixture has not been fully investigated. Sodium dodecyl sulfate ingredient toxicity to fish is reported separately; avoid environmental release.
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), as amended. US SARA and right-to-know information is included in manufacturer records.
Environmental hazards	Not classified as dangerous goods for transport.
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