Safety data sheet

10x Laemmli Sample Buffer

Product name 10x Laemmli Sample Buffer	Catalog no. LSB-10x
Synonyms -	Previous issue date 23 August 2021
CAS no. -	Format version / date 4 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	10x Laemmli Sample Buffer
Product code	LSB-10x
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

GHS/CLP classification	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Additional classifications	-
Symbols / pictograms	None
Signal word	None
GHS H-statements	None
GHS precautionary statements	None required by classification.
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	10x Laemmli Sample Buffer
Synonyms	-
Concentration	10×
Formula	-
Molecular weight	-
Product form	Liquid mixture.
Mixture statement	No components require disclosure at the stated concentrations under the applicable classification requirements.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Flush eyes with water for at least 15 minutes; obtain medical advice if irritation persists.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.
Inhalation	Move person to fresh air. Obtain medical advice if discomfort persists.
Ingestion	Do not induce vomiting. Rinse mouth with water; seek medical attention. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Wear appropriate personal protective equipment.
Most important symptoms / effects	May cause eye irritation; other symptoms are not established.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO2).
Unsuitable extinguishing media	No data available
Specific hazards arising from the chemical	The nature of decomposition products is not established.
Explosion data	No data available
Advice for firefighters	Wear self-contained breathing apparatus and suitable protective gear if necessary.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Move personnel away from spill. Provide adequate ventilation. Avoid breathing mist or vapor; wear protective equipment.
Environmental precautions	Do not allow uncontrolled release into drains, waterways or soil.
Methods and materials for containment and cleaning up	Absorb with inert material and place in closed, labeled waste containers.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid skin and eye contact. Do not breathe mist or vapors. Use adequate ventilation and protective equipment.
Conditions for safe storage	Keep containers tightly closed in a cool, dry, well-ventilated location. Recommended storage temperature: 22–25 °C.
Container labelling	Keep in correctly labeled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with identified occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Observe good laboratory hygiene. Do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear safety goggles or safety glasses with side shields (EN 166).
Hand protection	Wear appropriate chemical-resistant protective gloves (EN 374).
Skin and body protection	Wear laboratory coat and suitable protective clothing.
Respiratory protection	Use suitable respiratory protection if ventilation is inadequate.

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 under usual conditions.
Chemical stability	Stable in a cool, dry location.
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) data: oral LD50 1,288 mg/kg (rat); dermal LD50 580 mg/kg (rabbit); inhalation LC50 3,900 mg/m³ (rat, 1 h).
Skin corrosion / irritation	Mixture-specific test data are not available.
Serious eye damage / eye irritation	Serious eye damage is reported under the toxicological assessment.
Carcinogenicity	No carcinogenic components are identified in the available listings.
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 irritation.
Skin: May cause irritation.
Eyes: Serious eye irritation or damage has been reported.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Sodium dodecyl sulfate ingredient: fish LC50 values reported across species approximately 1.31–22.8 mg/L (96 h). Data are not a whole-mixture ecotoxicity result.
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 of through an authorized waste-disposal service in accordance with applicable local 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 regulated under applicable dangerous goods transport rules.

Special precautions for user	Observe normal laboratory handling precautions.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH Regulation (EC) No. 1907/2006; Commission Regulation (EU) No. 453/2010. SARA 302 and SARA 313: no reportable components identified; SARA 311/312: no SARA hazard. Clean Water Act: no regulated substances identified.
Environmental hazards	See Section 12 for available environmental information.
Chemical Safety Assessment	No data 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, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail