Safety data sheet

ClearBand 10% SDS Solution

Product name ClearBand 10% SDS Solution	Catalog no. S100, S500
Synonyms Sodium dodecyl sulfate solution (10% w/v)	Original SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand 10% SDS Solution
Product code	S100, S500
CAS number	-
EC number	-
Recommended use	Protein denaturation reagent and detergent for SDS-PAGE and laboratory research.
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	Skin Irrit. 2 (H315); Eye Irrit. 2 (H319).
GHS H-statements	H315 - Causes skin irritation. H319 - Causes serious eye irritation.
GHS pictograms	
Signal word	Warning
Precautionary statements - prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - response	P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water; remove contact lenses if possible; continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
Other hazards	Avoid prolonged or repeated exposure.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand 10% SDS Solution
Synonyms	Sodium dodecyl sulfate solution (10% w/v)
Concentration	10% (w/v)
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Sodium dodecyl sulfate (CAS 151-21-3): 10% (w/v). Ingredient classifications include Acute Tox. 4 (H302), Skin Irrit. 2 (H315), Eye Irrit. 2 (H319) and Aquatic Chronic 3 (H412).

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Hold eyelids apart and flush with water for at least 15 minutes. Obtain medical evaluation.
Skin contact	Wash thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing; obtain medical advice if symptoms occur.
Inhalation	Move to fresh air. Trained personnel should provide artificial respiration or oxygen if required; seek medical attention.
Ingestion	Rinse mouth if conscious. Do not induce vomiting unless directed by medical personnel. Seek medical attention; never give anything by mouth to an unconscious person.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	Skin and eye irritation.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate for the surrounding fire.
Unsuitable extinguishing media	No data available
Specific hazards arising from the mixture	Combustion may form carbon and sulfur oxides and sodium oxides.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus if necessary.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate unnecessary personnel, ensure adequate ventilation and wear appropriate PPE; avoid contact and inhalation of mist.
Environmental precautions	Do not allow significant spills to enter drains. Contact relevant authorities if large spills cannot be contained.
Methods and materials for containment and cleaning up	Cover drains, contain liquid and absorb or pump off spills. Collect 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	Avoid breathing mist/spray and repeated contact. No eating, drinking or smoking during handling.
Conditions for safe storage	Keep container tightly closed, protected from light and stored at room temperature; do not store below 15°C because precipitation may occur.
Container labelling	Maintain original labelling and tightly closed 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	None

10 STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, sodium oxides and sulfur oxides.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Ingredient sodium dodecyl sulfate reference data: oral LD50 (rat) 1,288 mg/kg; dermal LD50 (rabbit) 580 mg/kg; inhalation (rat) 3,900 mg/m3 over 1 hour. These are not whole-mixture LD50 values.
Skin corrosion / irritation	Causes skin irritation (H315).
Serious eye damage / eye irritation	Causes serious eye irritation (H319).
Carcinogenicity	Mixture-specific data not available.
Reproductive toxicity	Mixture-specific data not available.
STOT - SE	Mixture-specific data not available.
STOT - RE	Mixture-specific data not available.
Aspiration hazard	Mixture-specific data not available.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: Mist may cause respiratory irritation.
Skin: Causes irritation.
Eyes: Causes serious irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No mixture-specific ecotoxicity data available; ingredient sodium dodecyl sulfate has aquatic toxicity data and discharge to water should be avoided.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data 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. 1272/2008 (CLP), Regulation (EC) No. 1907/2006 (REACH), and applicable hazardous chemical regulations.
Environmental hazards	Not regulated as dangerous goods for transport on the routes listed.
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