Safety data sheet

ClearBand 20% SDS Solution

Product name ClearBand 20% SDS Solution	Catalog no. S100/20, S500/20
Synonyms Sodium dodecyl sulfate aqueous solution (20% w/v)	Original SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand 20% SDS Solution
Product code	S100/20, S500/20
CAS number	-
EC number	-
Recommended use	Laboratory research reagent for protein denaturation and SDS-PAGE.
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 irritation, Category 2 (H315); Eye irritation, Category 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 for several minutes; remove contact lenses if easy to do and continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
Other hazards	Avoid prolonged contact and inhalation of mist or spray.

Composition & response

ClearBand 20% SDS Solution | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand 20% SDS Solution
Synonyms	Sodium dodecyl sulfate aqueous solution (20% w/v)
Concentration	20% (w/v)
Formula	- (mixture)
Molecular weight	- (mixture)
Product form	Liquid mixture
Composition / ingredient information	Sodium dodecyl sulfate (CAS 151-21-3): 20% (w/v) in water. Ingredient hazard classifications listed: Acute Tox. 4 (H302), Skin Irrit. 2 (H315), Eye Irrit. 2 (H319), Aquatic Chronic 3 (H412). These ingredient hazards are not automatically whole-mixture classifications.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Flush eyes with plenty of water, holding eyelids apart, for at least 15 minutes. Obtain medical evaluation.
Skin contact	Wash exposed skin immediately with soap and water for at least 15 minutes. Remove contaminated clothing and seek medical attention if symptoms occur.
Inhalation	Move to fresh air. If breathing has stopped, trained personnel may provide artificial respiration; obtain medical attention.
Ingestion	Rinse mouth if conscious. Do not induce vomiting unless instructed by medical personnel. Seek medical attention.
Self-protection of the first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	Skin irritation and serious eye irritation.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate for the surrounding fire.
Unsuitable extinguishing media	No data available
Specific hazards arising from the mixture	Thermal decomposition may produce carbon oxides, sodium oxides and sulfur oxides.
Explosion data	Impact and static-discharge sensitivity: no information available.
Advice for firefighters	Wear self-contained breathing apparatus if required; prevent firefighting runoff entering waterways.

Safe use & protection

ClearBand 20% SDS Solution | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure ventilation; wear appropriate protective equipment. Avoid contact with skin and eyes and breathing mist or spray.
Environmental precautions	Prevent significant spills from entering drains or waterways.
Methods and materials for containment and cleaning up	Cover drains, contain liquid and absorb or pump off spilled solution. Collect in suitable, closed and labelled containers.
Reference to other sections	See Section 8 for protection and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid prolonged or repeated exposure; do not breathe mist or spray. No eating, drinking or smoking while handling.
Conditions for safe storage	Keep tightly closed and protected from light. Store at room temperature; do not store below 15°C due to possible precipitation.
Container labelling	Retain original label and keep the container tightly sealed.

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

ClearBand 20% SDS Solution | SAFETY DATA SHEET / SECTIONS 09-10

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 monoxide, carbon dioxide, sodium oxides and sulfur oxides.

Health & environment

ClearBand 20% SDS Solution | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Ingredient reference values for SDS (not mixture values): oral LD50 rat 1,288 mg/kg; dermal LD50 rabbit 580 mg/kg; inhalation rat 3,900 mg/m³ (1 h).
Skin corrosion / irritation	Causes skin irritation (H315).
Serious eye damage / eye irritation	Causes serious eye irritation (H319).
Carcinogenicity	No mixture-specific information available.
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: Mist may irritate the respiratory tract.
Skin: Causes skin irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information is available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No whole-mixture ecotoxicity data available. Avoid release to the environment.
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	Collect for disposal in accordance with applicable local regulations; do not discharge untreated product to drains.
Contaminated packaging	Use an approved waste handler or recycling system; do not reuse empty containers.

Transport & reference

ClearBand 20% SDS Solution | SAFETY DATA SHEET / SECTIONS 14-16

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	Applicable chemical safety regulations including REACH (EC 1907/2006) and CLP (EC 1272/2008).
Environmental hazards	No dangerous-goods classification reported 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