Safety data sheet

ClearBand Super ECL Western Blotting Substrate

Product name ClearBand Super ECL Western Blotting Substrate	Catalog no. SECL20, SECL50
Synonyms Super ECL substrate	SDS revision -
CAS no. Mixture - not assigned	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand Super ECL Western Blotting Substrate
Product code	SECL20, SECL50
CAS number	Not assigned (mixture)
EC number	Not assigned (mixture)
Recommended use	Research use only; HRP chemiluminescent detection on Western blots.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. Ipekyolu 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

Classification	Not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP)
Label elements	No hazardous labeling required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	Handle in accordance with good industrial hygiene and safety practice.
Other hazards	No information available.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand Super ECL Western Blotting Substrate
Synonyms	Enhanced chemiluminescence (ECL) Western blotting substrate
Concentration	-
Formula	Not applicable - two-component kit.
Molecular weight	Not applicable - mixture.
Mixture	Solution A and Solution B (mix 1:1 before use). Luminol-based chemiluminescent system. Contain separately packaged luminol/enhancer and oxidant solutions.
Disclosure statement	No components require disclosure under the applicable regulations.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move to fresh air if aerosol or mist is inhaled. Seek medical advice if symptoms occur.
Ingestion	Rinse mouth. Do not induce vomiting. Obtain medical advice if unwell.
Skin contact	Remove contaminated clothing. Wash skin with soap and plenty of water.
Eye contact	Rinse cautiously with water for at least 15 minutes; remove contact lenses if easy. Seek medical advice for persistent irritation.
Immediate medical attention / treatment	Treat symptomatically. Provide product information to medical personnel.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, foam, dry powder or CO_2 appropriate to surrounding fire.
Special hazards arising from the substance or mixture	Exact decomposition products are not established for this formulation; thermal breakdown may release irritating fumes.
Advice for firefighters	Wear self-contained breathing apparatus and protective equipment for surrounding fire.
Further information	Cool exposed containers with water spray where safe.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Restrict access. Wear gloves, goggles and laboratory coat; avoid creating aerosols. Ventilate area.
Environmental precautions	Prevent release to drains, soil and surface water.
Methods and materials for containment and cleaning up	Absorb small spills with inert absorbent; collect in a labelled sealed container. Wash residue with water if permitted by local procedures.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use standard laboratory hygiene. Avoid contact with eyes and skin; do not ingest. Mix Solution A and B 1:1 immediately before use.
Conditions for safe storage	Store at 4-8 °C. Keep original containers tightly closed, protected from light and contamination.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Component identities are not confirmed; occupational exposure limits cannot be assessed.

8.2 Exposure controls

Engineering measures	Use normal laboratory ventilation; eyewash access recommended.
Hygiene measures	Do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear chemical splash goggles or safety glasses with side protection.
Hand protection	Wear suitable chemical-resistant laboratory gloves; replace contaminated gloves.
Skin and body protection	Wear a laboratory coat and closed shoes.
Respiratory protection	Normally not needed during pipetting with adequate ventilation; evaluate if aerosols are generated.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid preparations; exact color not verified
Odor	No product-specific data available
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)	Not applicable to liquid; flash point not measured
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 product-specific 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	No product-specific reactivity data available.
Chemical stability	Stable under recommended storage conditions (4-8 °C).
Possibility of hazardous reactions	Not determined; avoid mixing with unrelated chemicals.
Conditions to avoid	Contamination, excessive heat, incompatible reagents; do not store premixed working solution.
Incompatible materials	Not established for the specific formulation; avoid strong oxidizers/reducers until verified.
Hazardous decomposition products	Not established; irritating fumes may be generated in a fire.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No test data available.
Skin corrosion / irritation	Not determined.
Serious eye damage / eye irritation	Not determined.
Carcinogenicity	No product-specific assessment available.
Reproductive toxicity	No product-specific assessment available.
STOT - SE	No data available.
STOT - RE	No data available.
Aspiration hazard	No data available.

11.2 Potential health effects

Ingestion: Effects not established; avoid swallowing.
Inhalation: Avoid inhaling aerosols; effects not established.
Skin: Potential irritation cannot be excluded.
Eyes: Potential irritation cannot be excluded.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No test data available.
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 of as laboratory chemical waste in accordance with local regulations; do not pour unused reagents into drains.
Contaminated packaging	Dispose of according to local requirements. 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
ADR/RID	Not regulated	Not regulated	Not regulated	Not applicable	Not determined
IMDG	Not regulated	Not regulated	Not regulated	Not applicable	Not determined
IATA	Not regulated	Not regulated	Not regulated	Not applicable	Not determined

15 REGULATORY INFORMATION

Regulatory information	Regulation (EC) No. 1907/2006 (REACH), Annex II as amended by Regulation (EU) 2020/878; Regulation (EC) No. 1272/2008 (CLP).
Safety, health and environmental regulations / legislation	No information available.
Chemical Safety Assessment	No formulation-specific assessment 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