Safety data sheet

DNA Loading Dye Blue (6x)

Product name DNA Loading Dye Blue (6x)	Catalog no. DLD-6xB, DLD-6xB5
Synonyms -	Previous revision date 28 January 2025
CAS no. -	Document version / date v4 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	DNA Loading Dye Blue (6x)
Product code	DLD-6xB, DLD-6xB5
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

Classification	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No pictograms or signal word required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None.
Precautionary statements - Prevention	None.
Precautionary statements - Response	None.
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	DNA Loading Dye Blue (6x)
Synonyms	-
Concentration	6x
Formula	-
Molecular weight	-
Mixture statement	This product is a mixture.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses and continue rinsing. Seek medical advice if symptoms persist.
Skin contact	Wash exposed skin thoroughly with water for at least 15 minutes. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. Seek medical advice if discomfort occurs.
Ingestion	Rinse mouth, drink water if conscious, and do not induce vomiting. Seek medical advice.
Self-protection of first aider	Wear suitable personal protective equipment.
Most important symptoms / effects	No data available.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use suitable measures appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available.
Special hazards arising from the substance or mixture	No specific hazardous combustion products identified.
Explosion data	Mechanical impact and static discharge sensitivity: No information available.
Advice for firefighters	Wear self-contained breathing apparatus and full protective gear.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment and keep unnecessary personnel away. Avoid contact with eyes and skin.
Environmental precautions	Prevent entry into waterways, drains and confined areas. Contain any spillage if safe.
Methods and materials for containment and cleaning up	Collect with suitable inert absorbent material and place in closed containers for disposal.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Provide adequate ventilation; use local exhaust ventilation where needed. Wear appropriate personal protective equipment.
Conditions for safe storage	Keep tightly closed in a dry, well-ventilated area. Recommended storage temperature: 4–8 °C.
Container labeling	Keep properly labeled and away from incompatible substances.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No substances with established occupational exposure limits were identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Handle with good laboratory hygiene; do not eat, drink or smoke. Wash hands after handling.
Eye / face protection	Wear safety glasses with side shields conforming to EN 166.
Hand protection	Wear appropriate chemical-resistant protective gloves; inspect gloves before use.
Skin and body protection	Wear a laboratory coat or appropriate 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	Blue 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	None known.
Chemical stability	Stable when stored cool and dry.
Possibility of hazardous reactions	No hazardous reactions reported.
Conditions to avoid	No data available
Incompatible materials	No dangerous reactions known under normal use.
Hazardous decomposition products	No data available

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Glycerin: LD50 oral (rat) 12,600 mg/kg; LD50 dermal (rabbit) >10 g/kg; LC50 inhalation (rat) >570 mg/m³.
Skin corrosion / irritation	Data insufficient for classification.
Serious eye damage / eye irritation	Data insufficient for classification.
Carcinogenicity	Data insufficient for classification.
Reproductive toxicity	Data insufficient for classification.
STOT - SE	Data insufficient for classification.
STOT - RE	Data insufficient for classification.
Aspiration hazard	Data insufficient for classification.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation.
Skin: May cause skin irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No components identified as environmentally hazardous. Glycerin: No aquatic toxicity 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 constituents assessed as PBT or vPvB.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of through an authorized 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 for transport.	-	-	No transport environmental hazard indicated.
IMDG	-	Not regulated for transport.	-	-	No transport environmental hazard indicated.
IATA	-	Not regulated for transport.	-	-	No transport environmental hazard indicated.

Special precautions for user	No data available.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH Annex XIV authorization: None. REACH Annex XVII restrictions: None. Substances of Very High Concern: None. Regulation (EC) 649/2012, Regulation (EU) 2019/1021, and Regulation (EC) 1005/2009: None indicated.
Environmental hazards	Environmental hazards: None indicated.
Chemical Safety Assessment	No additional information 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