Safety data sheet

DNA Marker 100bp-Green

Product name DNA Marker 100bp-Green	Catalog no. DM100, DM1003
Synonyms -	Previous revision date 28 January 2025
CAS no. -	Document version / date v3 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	DNA Marker 100bp-Green
Product code	DM100, DM1003
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). Physical, health and environmental hazards: Not hazardous.
Label elements	No hazard pictograms, signal word or hazard statements are required.
Symbols / pictograms	None
Signal word	None
Hazard statements	Not applicable
Precautionary statements - Prevention	Not applicable
Precautionary statements - Response	Not applicable
Other hazards	Not applicable

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	DNA Marker 100bp-Green
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	The product is a mixture. Composition: Glycerol (CAS 56-81-5): >50% w/w. Water (CAS 7732-18-5): >49% w/w. Nucleic acid (CAS no.: -): >1% w/w.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Rinse skin with water. Immediate medical attention is not normally required.
Inhalation	Not expected to be an inhalation hazard under normal use. Consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard under normal use. If you feel unwell, seek medical advice.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	No specific symptoms reported.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	No specific hazards are known.
Explosion data	Sensitivity to mechanical impact: No information available. Sensitivity to static discharge: No information available.
Advice for firefighters	Follow standard procedures for chemical fires and wear appropriate protective equipment.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Wear recommended personal protective equipment.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Absorb with inert material and transfer to suitable containers.
Reference to other sections	For disposal, see Section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use appropriate personal protective equipment and follow good laboratory practice.
Conditions for safe storage	Keep containers tightly closed in a cool, dry, well-ventilated area away from incompatible substances.
Container labeling	Keep containers correctly labelled.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in enclosed spaces.
Hygiene measures	Follow good laboratory hygiene; do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear tight-fitting safety goggles.
Hand protection	Wear suitable chemical-resistant protective gloves.
Skin and body protection	Wear a lab coat or protective clothing appropriate to the exposure.
Respiratory protection	Use approved 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	No 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)	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.
Chemical stability	Stable in cool, dry conditions.
Possibility of hazardous reactions	No hazardous reactions reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reactions known under normal conditions of use.
Hazardous decomposition products	No data available.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	There is no evidence available indicating acute toxicity.
Skin corrosion / irritation	Available data do not meet classification criteria.
Serious eye damage / eye irritation	Available data do not meet classification criteria.
Carcinogenicity	Available data do not meet classification criteria.
Reproductive toxicity	Available data do not meet classification criteria.
STOT - SE	Available data do not meet classification criteria.
STOT - RE	Available data do not meet classification criteria.
Aspiration hazard	Available data do not meet classification criteria.

11.2 Potential health effects

Ingestion: Available data do not indicate a classification-relevant hazard.
Inhalation: Available data do not indicate a classification-relevant hazard.
Skin: Available data do not indicate a classification-relevant hazard.
Eyes: Available data do not indicate a classification-relevant hazard.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No ingredients are known to be environmentally hazardous or resistant to wastewater treatment.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	The mixture has not been identified as containing PBT or vPvB substances.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of through a licensed waste management service in accordance with local and national requirements.
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)	-	Non-hazardous for transport.	-	-	No
IMDG	-	Not regulated as dangerous goods.	-	-	No
IATA	-	Non-hazardous for air transport.	-	-	No

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

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Substances of Very High Concern: None. REACH Annex XIV authorisation substances: None. REACH Annex XVII restricted substances: None. EU export / import restrictions reported: None.
Environmental hazards	Not applicable.
Chemical Safety Assessment	No chemical safety assessment has been carried out.

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