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## Safety Data Sheet (SDS)

*Revision Date:*  
*28 JAN 2025*

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: DNA Marker 100bp-Green  
Product Code: DM100, DM1003  
CAS Number: -  
EC Number: -

#### 1.2 Details of the supplier of the safety data sheet

Company: EcoTech Biotechnology  
Address: Universite Mah. İpekyolu Cad. Ata Teknokent A.Ş. B Blok No: 20/113 Yakutiye/Erzurum  
Turkiye  
Tel/Fax: 0090 442 282 20 44  
Emergency  
phone number: 0090 553 828 76 90

#### 1.3 Product use

For research use only. Not intended for diagnostic or therapeutic use.

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Physical hazards Not Hazardous  
Health hazards Not Hazardous  
Environmental hazards Not Hazardous

#### 2.2 Label elements

Symbols/Pictograms None  
Signal word None  
Hazard statements Not Applicable  
Precautionary Statements - Prevention Not Applicable  
Precautionary Statements - Response Not Applicable

#### 2.3 Other hazards

Not Applicable

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Product Name

DNA Marker 100bp-Green  
Synonyms: -  
Concentration: -  
Formula: -  
Molecular Weight: -

This product is a mixture.

#### 3.2 Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

| Chemical Name | CAS No    | Weight % |
|---------------|-----------|----------|
| Glycerol      | 56-81-5   | > 50%    |
| Water         | 7732-18-5 | > 49%    |
| Nucleic Acid  | None      | > 1%     |

## SECTION 4. 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 required.                                                                         |
| Inhalation                         | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.      |
| Ingestion                          | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Self-protection of the first aider | Use personal protective equipment as required.                                                                                              |

### Most important symptoms and effects, both acute and delayed

Symptoms Not Applicable

### Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

|                              |                                                                     |
|------------------------------|---------------------------------------------------------------------|
| Suitable Extinguishing Media | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. |
| Unsuitable Extinguishing     | No information available                                            |

### 5.2 Special hazards arising from the substance or mixture

|                                            |           |
|--------------------------------------------|-----------|
| Specific hazards arising from the chemical | Not known |
|--------------------------------------------|-----------|

### 5.3 Explosion data

|                                  |                           |
|----------------------------------|---------------------------|
| Sensitivity to Mechanical Impact | No information available. |
| Sensitivity to Static Discharge  | No information available. |

### 5.4 Protective equipment and precautions for firefighters

|                         |                                        |
|-------------------------|----------------------------------------|
| Advice for firefighters | Standard procedure for chemical fires. |
|-------------------------|----------------------------------------|

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment

### 6.2 Environmental precautions

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

|                         |                                        |
|-------------------------|----------------------------------------|
| Methods for cleaning up | Soak up with inert absorbent material. |
|-------------------------|----------------------------------------|

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances.

Keep in properly labelled containers.

## SECTION 8. 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 confined areas.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

Wash hands, forearms and face after handling.

#### Personal protective equipment

**Eye/face protection:** Tight sealing safety goggles.

**Hand protection:** Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Skin and body protection:** Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.

**Respiratory protection:** In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                                      |                   |
|------------------------------------------------------|-------------------|
| a) Appearance:                                       | Liquid            |
| b) Odor:                                             | No data available |
| c) Odor Threshold:                                   | No data available |
| d) pH:                                               | No data available |
| e) Melting point/freezing point:                     | No data available |
| f) Initial boiling point and boiling range:          | No data available |
| g) Flash point:                                      | No data available |
| h) Evaporation rate:                                 | No data available |
| i) Flammability (solid, gas):                        | No data available |
| j) Upper / lower flammability or explosive limits:   | No data available |
| k) Vapor pressure:                                   | No data available |
| l) Vapor density:                                    | No data available |
| m) Relative density:                                 | No data available |
| n) Solubility(ies):                                  | No data available |
| o) Partition coefficient: <i>n</i> -octanol / water: | No data available |
| p) Auto-ignition temperature:                        | No data available |
| q) Decomposition temperature:                        | No data available |
| r) Viscosity:                                        | No data available |
| s) Explosive properties:                             | No data available |
| t) Oxidizing properties:                             | No data available |

## SECTION 10. STABILITY AND REACTIVITY

### Stability and reactivity

**Reactivity:** Stable.

**Chemical stability:** Stable at a cool and dry place.

**Possibility of hazardous reactions:** Hazardous reaction has not been reported.

**Conditions to avoid:** No information available.

|                                          |                                                             |
|------------------------------------------|-------------------------------------------------------------|
| <b>Incompatible materials:</b>           | No dangerous reaction known under conditions of normal use. |
| <b>Hazardous decomposition products:</b> | No data available.                                          |

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                       |                                                           |
|---------------------------------------|-----------------------------------------------------------|
| a) Acute toxicity:                    | There is no evidence available indicating acute toxicity. |
| b) Skin corrosion / irritation:       | Data are conclusive but insufficient for classification.  |
| c) Serious eye damage/eye irritation: | Data are conclusive but insufficient for classification.  |
| d) Carcinogenicity:                   | Data are conclusive but insufficient for classification.  |
| e) Reproductive toxicity:             | Data are conclusive but insufficient for classification.  |
| f) STOT - SE:                         | Data are conclusive but insufficient for classification.  |
| g) STOT - RE:                         | Data are conclusive but insufficient for classification.  |
| h) Aspiration hazard:                 | Data are conclusive but insufficient for classification.  |

### 11.2 Potential health effects

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| <b>Ingestion:</b>  | Data are conclusive but insufficient for classification. |
| <b>Inhalation:</b> | Data are conclusive but insufficient for classification. |
| <b>Skin:</b>       | Data are conclusive but insufficient for classification. |
| <b>Eyes:</b>       | Data are conclusive but insufficient for classification. |

### 11.3 Additional Information

No additional information is available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with federal, state and local requirements.

### Contaminated packaging

Dispose of as unused product. Do not reuse empty containers.

## Section 14. TRANSPORT INFORMATION

### 14.1 DOT (US)

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

### 14.2 IMDG

Not regulated in the meaning of transport regulations

### 14.3 IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport

|                            |                |
|----------------------------|----------------|
| UN number                  | Not Applicable |
| UN proper shipping name    | Not Applicable |
| Transport hazard class(es) | Not Applicable |
| Packing group              | Not Applicable |

## SECTION 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

|                                                                    |       |
|--------------------------------------------------------------------|-------|
| Substances of Very High Concern                                    | None. |
| Substance subject to authorisation per REACH Annex XIV             | None  |
| Restricted substances under EC 1907/2006, Annex XVII               | None. |
| Substances listed under Annex I of Regulation (EC) No 689/2008     | None. |
| Restricted substances under Annex V of Regulation (EC) No 689/2008 | None. |

### 15.2 Environmental hazards

Not Applicable

### 15.3 Chemical safety assessment

No Chemical safety assessment has been carried out.

## SECTION 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