



GeneStep™ 100bp DNA Ladder 3k, RTU

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: 100 bp DNA Ladder 3k, RTU

Catalogue number of the product: 301101 , 301102

Use of the preparation: For laboratory use.

Company identification: Deeya Industries. Website: www.labrecon.in / www.deeyaindustries.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Weight %
Glycerol	--	56-81-5	> 50%
Water	--	7732-18-5	> 49%
Nucleic Acid	--	--	< 1%

Ingredients indicated above do not present a health or environmental hazard within the meaning of Council Directive 67/548/EEC, or their concentrations do not exceed the limits specified in Council Directive 1999/45/EC, and in Commission Directive 2001/58/EC.

3. HAZARDS IDENTIFICATION

The preparation is not classified as dangerous according to Directive 1999/45/EC or Directive 67/548/EC, and is not labelled with danger symbols or indications of danger.

Hazards deriving from physical-chemical properties:

The data available do not support any physical or chemical hazard. Human health hazards:

Inappropriate handling may cause formation of aerosols. Inhalation of aerosols may cause allergic type reactions in sensitized individuals. Prolonged skin contact may cause minor irritation.

Caution: Avoid inhalation, ingestion, and skin contacts. Environmental hazards:

The data available do not support any environmental hazard.

4. FIRST-AID MEASURES

Ingestion:

If swallowed, rinse mouth and throat thoroughly with water. Consult a doctor in event of any complaints.

Inhalation:

If inhaled, remove victim from area of exposure. If symptoms of irritation or respiratory allergy occur, consult a doctor.

Skin contact:

Generally, the product does not irritate the skin. If symptoms of irritation after prolonged exposure occur, consult a doctor.

Eye contact:

In case of contact, wash out opened eyes with plenty of water for several minutes. Consult a doctor in event of any complaints.



Customer support email: SUPPORT@LABRECON.IN



Reg Address: Deeya Industries, B-57, Bhagwati Garden Extension , Dwarka Mor , New Delhi-110059. (INDIA)

For Research Use Only

LabReCON is the register trademark of Deeya industries



Telephone : +91-8595-222-053



www.labrecon.in



5. FIRE-FIGHTING MEASURES

The preparation cannot cause fire. Suitable extinguishing agents:

Water spray, Carbon Dioxide, dry chemical powder or appropriate foam. Not suitable extinguishing agents:

None.

Special exposure hazards from decomposition products:

Not thoroughly investigated. Protective equipment:

Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear appropriate gloves (see Section 8), safety glasses to clean small releases/spillage. In case of vapor/aerosol formation, wear suitable respiratory protection means. Ventilate the area.

Environmental precautions:

No special measures required. Methods for cleaning up:

Absorb spillages with liquid-binding material. Ventilate and wash the area after the spillage is completely removed.

Additional information:

No dangerous substances are released.

7. HANDLING AND STORAGE

Handling:

No further requirements.

Use appropriate personal protection measures (see Section 8). Avoid any contact with the liquid. Avoid the formation of aerosols. Ventilate area.

Storage:

Store at - 20°C.

None other specific requirements relating to the preparation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that need to be monitored at the workplace.

General protective and hygienic measures:

The usual precautionary measures are the same as for chemicals handling. Engineering measures:

None specific requirements relating to the preparation. Personal protection:

- Respiratory protection: No special measures required.
- Hand protection: Wear rubber gloves. None special requirements to rubber.
- Eye protection: No need to wear glasses (goggles) when ordinary operations with the preparation. Safety glasses are recommended during certain operations when aerosol formation is possible.
- Skin protection: The usual precautionary measures accepted in research laboratories, e.g. protective clothes (gowns). None specific requirements.



Customer support email: SUPPORT@LABRECON.IN



Reg Address: Deeya Industries, B-57, Bhagwati Garden Extension , Dwarka Mor , New Delhi-110059. (INDIA)

For Research Use Only

LabReCON is the register trademark of Deeya industries



Telephone : +91-8595-222-053



www.labrecon.in



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid.

Color: Colorless.

Odor: Odorless.

pH-value at 25°C: 8.0. Boiling point: 100°C.

Flash Point: Not applicable.

Flammability / autoflammability: The preparation is not flammable/self-igniting. Explosive properties:

The preparation does not possess explosive properties. Oxidizing properties: Not applicable.

Vapor pressure: Not applicable. Relative density at 20°C: ~1 g/cm³.

Solubility in/miscibility with water: Fully miscible. Fat solubility: Not applicable.

Vapor density: Not applicable. Evaporation rate: Not applicable. Conductivity: Not applicable.

Viscosity: Not viscous.

10. STABILITY AND REACTIVITY

Stability:

Stable under storage conditions (see Section 7). Conditions to avoid:

No conditions which may cause dangerous reactions. Possibility of hazardous reactions:

No dangerous reactions known. Materials to avoid:

No materials which may cause dangerous reactions. Hazardous decomposition products:

No dangerous decomposition products known. Hazardous polymerization:

Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of exposure:

Inhalation: Inhalation of aerosols may cause allergic type reactions in sensitized individuals.

Ingestion: Repeated ingestion or excessive dosage may cause irritation of the gastrointestinal tract.

Skin and eye contact: Generally, the product does not irritate the skin and eyes. Prolonged skin or eye contact may cause minor irritation.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects.

The product is not listed in a priority list as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of the existing substances.



Customer support email: SUPPORT@LABRECON.IN



Reg Address: Deeya Industries, B-57, Bhagwati Garden Extension , Dwarka Mor , New Delhi-110059. (INDIA)

For Research Use Only

LabReCON is the register trademark of Deeya industries



Telephone : +91-8595-222-053



www.labrecon.in



12. ECOLOGICAL INFORMATION

Ecotoxicity:

The preparation is considered not dangerous to the environment with respect to mobility, persistence and degradability, bioaccumulation, aquatic toxicity and other data relating to ecotoxicity.

Persistence and degradability:

The preparation is readily biodegradable. Bioaccumulative potential:

It is considered that the preparation does not accumulate in biota, and does not pass through the food chain. Other adverse effects:

Not applicable.

13. DISPOSAL CONSIDERATIONS

The disposal of the product does not present a danger.

No special disposal methods required, except to be in accordance with current local environmental regulations.

14. TRANSPORT INFORMATION

Special precautions:

None known.

Proper shipping name:

Not dangerous goods according to transport regulations. National transport regulations:

No additional national transport regulations are known to the supplier. IMDG: Non-hazardous for sea freight.

ADR: Non-hazardous for road transport. RID: Non-hazardous for rail transport.

ICAO/IATA: Non-hazardous for air transport. Other information:

The preparation may be stored in ice during the transportation.

15. REGULATORY INFORMATION

US

Labelling according to US Regulations: Caution: Avoid contact and inhalation. US Regulatory information: SARA LISTED: No.

EU

Labelling according to EU Guidelines: The preparation is not dangerous within the meaning of Directives 67/548/EC, 1999/45/EC, and 88/379/ECC, and is not labelled with danger symbols or indications of danger. Regulation EC 1272/2008 modified by regulation EC 618/2012

Canada

WHMIS classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No.

NDSL: No.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Deeya Industries. shall not be held liable for any damage resulting from handling or from contact with the above product.



Customer support email: SUPPORT@LABRECON.IN



Reg Address: Deeya Industries, B-57, Bhagwati Garden Extension, Dwarka Mor, New Delhi-110059. (INDIA)

For Research Use Only

LabReCON is the register trademark of Deeya industries



Telephone : +91-8595-222-053



www.labrecon.in