

Material Safety Data Sheet
Version No.: 4.0(26-12-2022)

25/100bp Mixed DNA Ladder

1. Product and company identification

Product Name : 25/100 bp Mixed DNA Ladder

Product Number : D-1020

Product Use : For research use only and are not intended for human or animal diagnostics, therapeutic, or other clinical uses, unless otherwise stated.

Company

Bioneer corporation

8-11, Munpyeongseo-ro, Daedeok-gu, Daejeon 306-220, Republic of Korea

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2. Hazards identification

GHS – Classification

Pictogram : none

Signal Word : none

Hazard statements

- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.

Precautionary statements

- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- IF IN EYES : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition/information on ingredients

Chemical name

CAS No.

weight(%)

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. First aid measures

Eye contact

- Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact

- Wash off with soap and plenty of water. Consult a physician.

Inhaled

- If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Swallowed

- Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Indication of any immediate medical attention and special treatment needed

- no data available
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5. Fire-fighting measures

Suitable extinguishing media

- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

- Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

Advice for firefighters

- Wear self contained breathing apparatus for fire-fighting if necessary.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

- Do not let product enter drains.

Methods and materials for containment and cleaning up

- Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
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7. Handling and storage

Precautions for safe handling

- Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
- Provide appropriate exhaust ventilation at places where dust is formed.
- Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

- Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Recommended storage temperature: –20 °C

8. Exposure controls / personal protection**Appropriate engineering controls**

- Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Respiratory protection**

- Respiratory protection not required.

Eye/face protection

- Use equipment for eye protection.

Skin protection

- Handle with gloves.

Body Protection

- impervious clothing

9. Physical and chemical properties**Appearance** : form – liquid

colour – colorless

Odour : no data available**Odour Threshold** : no data available**pH** : 8.0**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

Vapour pressure : no data available

Vapour density : no data available

Relative density : no data available

Partition coefficient: noctanol/water : no data available

Auto-ignition temperature : no data available

Decomposition temperature : no data available

Viscosity : no data available

Explosive properties : no data available

10. Stability and Reactivity

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : no data available

Conditions to avoid : no data available

Incompatible materials : no data available

Hazardous decomposition products : no data available

11. Toxicological information

Acute toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory sensitisation : no data available

skin sensitisation : no data available

Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Germ cell mutagenicity : no data available

Specific target organ toxicity – single exposure : no data available

Specific target organ toxicity – repeated exposure : no data available

Aspiration hazard : no data available

12. Ecological information

Toxicity : no data available

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

13. Disposal considerations

Waste treatment methods : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Dispose of as unused product.

14. Transport information

UN number : no data available

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class : no data available

Packaging group : no data available

Environmental hazards : no data available

Special precautions for user : no data available

15. Regulatory information

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

: no data available

Chemical Safety Assessment

: For this product a chemical safety assessment was not carried out

16. Other information

Bioneer Corporation makes no warranty or representation to its completeness, accuracy or currency. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to federal, state or local laws or regulations.
