

**Material Safety Data Sheet**

Version No.: 2.0(29-04-2014)

**1kb DNA Ladder**

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**1. PRODUCT AND COMPANY INFORMATION**

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**Product Name** : 1Kb DNA ladder**Product Number** : D-1040**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

+82-42-930-8777

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**2. HAZARDS IDENTIFICATION**

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**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.

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**3. Composition/Information on Ingredient**

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Chemical name	CAS No.	weight(%)
EDTA	60-00-4	< 2

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## 4. FIRST AID MEASURES

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### 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. Firefighting measures

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### 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<sub>x</sub>), 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

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### 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

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

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**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
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**9. Physical and chemical properties**

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**Appearance** : form – liquid

colour – Blue

**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: 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

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## 10. Stability and reactivity

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**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

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## 11. Toxicological information

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**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

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## 12. Ecological information

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**Toxicity** : no data available

**Persistence and degradability** : no data available

**Bioaccumulative potential** : no data available

**Mobility in soil** : no data available

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## 13. Disposal considerations

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

**Contaminated packaging** : Dispose of as unused product.

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## 14. Transport information

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**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

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## 15. Regulatory information

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**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

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## 16. Other information

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### Further information

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features. BIONEER is not held liable for any damage resulting from handling or from contact with the above products.

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