

Material Safety Data Sheet  
Version No.: 4.0(Rev. date: 2023-02-23)

# Taq DNA Polymerase

## 1. Product and company identification

**Product Name** : Taq DNA polymerase

**Product Number** : E-2011, E-2011-1, E-2011-2, E-2011-3

**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

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## 2. HAZARDS IDENTIFICATION

**GHS** - Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**Pictogram** : None

**Signal Word** : None

**Hazard statements**: None

**Precautionary statements**: None

## 3. Composition/Information on Ingredient

CAS No.	Component name	weight(%)
56-81-5	Glycerol	40~70

The ingredients listed in this section include only those items that have more than 1% of a component classified as

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hazardous and 0.1% of a component classified as carcinogenic.

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#### **4. FIRST AID MEASURES**

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##### **Eye contact**

- Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids.

##### **Skin contact**

- Wash off immediately with plenty of water.

##### **Inhaled**

- Move to fresh air

##### **Swallowed**

- If the person is conscious, wash out mouth with water. Call a physician.

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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 (NOx), Sulphur 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 breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

- Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

- Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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**7. Handling and storage****Precautions for safe handling**

- No special measures required.
- 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**

- Goggles recommended during refilling.

**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 - colorless

**Odour** : odourless

**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 xplosive limits** : no data available

**Vapour pressure** : no data available

**Vapour density** : no data available

**Relative density** : no data available

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**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

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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 sensitization :** no data available

**Skin sensitization :** 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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**Material source**

Korea Occupational Safety and Health Agency, National Chemicals Information System

**Version No.: 4.0(2023-02-23)**

**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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