

**Material Safety Data Sheet**

Version No.: 3.0 (Revision Date : 2023-06-29)

**Cassettes and Primers****1. PRODUCT AND COMPANY IDENTIFICATION**

- A. Product name : Cassettes and Primers  
B. Recommended use : Research use only  
C. Supplier : Bioneer corporation  
○ Address : : 71, Techno 2-ro, Yuseong-gu, Daejeon, Republic of Korea  
○ Telephone : +82-1588-9788

**2. HAZARDS IDENTIFICATION**

- A. Emergency Overview  
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.
- B. GHS Label elements, including precautionary statements  
○ Pictogram : None  
○ Signal word : None  
○ Hazard statement(s) : None  
○ Precautionary statements: None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	(%)
DNA	9007-49-2	99 %

**4. FIRST AID MEASURES**

- A. Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at few minutes.
- B. Skin Contact : If skin problems occur, discontinue use. If skin irritation persists, call a physician.  
May cause an allergic skin reaction.
- C. Inhalation : Immediately call a doctor/physician.
- D. Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- E. Most important symptoms/effects, acute and delayed: None known.
- F. Notes to Physician: May cause sensitization of susceptible persons.

**5. FIRE-FIGHTING MEASURES**

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- A. Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam
  - B. Special Hazard : None known
  - C. Special protective equipment for fire-fighters : No special advice
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## 6. ACCIDENTAL RELEASE MEASURES

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- A. Personal precautions : Not required
  - B. Environmental precautions : Dilute with plenty of water.
  - C. Methods for cleaning up : No information available
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## 7. HANDLING AND STORAGE

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- A. Advice on safe handling : No special measures required
  - B. Storage condition : None
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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- A. Exposure Guidelines : Not applicable
  - B. Engineering Measures : Not applicable
  - C. Personal Protective Equipment
    - Eye protection : Goggles recommended during refilling
    - Hand protection : Impervious gloves
    - Skin and body protection : Not required
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state : Fluid/colorless  
pH : No information available  
Melting/freezing point : No information available  
Boiling point/boiling range : No information available  
Flash point : No information available  
Evaporation rate : No information available  
Flammability (solid, gas) : No information available  
Flammability Limits in Air (Upper/Lower) : No information available  
Vapor pressure : No information available  
Vapor Density : No information available  
Relative Density : No information available  
Water solubility : No information available  
Solubility in other solvents : No information available  
Partition coefficient : n-octanol/water : No information available  
Autoignition temperature : No information available  
Decomposition temperature : No information available  
Viscosity of product : No information available  
Molecular weight : No information available

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## 10. STABILITY AND REACTIVITY

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- A. Conditions to avoid : No further relevant information available
  - B. Materials to avoid : No further relevant information available
  - C. Hazardous decomposition products : No dangerous decomposition products known
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- D. Reactivity
  - E. Chemical stability
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**11. TOXICOLOGICAL INFORMATION**

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- A. Inhalation : No Irritant effect
  - B. Skin Contact : No Irritant effect
  - C. Ingestion : No Irritant effect
  - D. Eye Contact : Irritating to eyes
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**12. ECOLOGICAL INFORMATION**

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- A. Acute Toxicity : No information available
  - B. Persistence and degradability : No information available.
  - C. Bioaccumulative potential : No information available.
  - D. Mobility : No information available
  - E. Other adverse effects : No information available
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**13. DISPOSAL CONSIDERATIONS**

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- A. Waste from Residues / Unused Products : Dispose of in accordance with local regulations.
  - B. Contaminated packaging : Dispose of in accordance with local regulations.
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**14. TRANSPORT INFORMATION**

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- A. UN/ID no : No information available
  - B. Proper shipping name : No information available
  - C. Hazard Class : No information available
  - D. Packing group : No information available
  - E. Description : No information available
  - F. Emergency Response Guide Number : No information available
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**15. REGULATORY INFORMATION**

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- A. Occupational health and safety act : No information available
  - B. TCCA regulations : No information available
  - C. Dangerous goods safety management act : No information available
  - D. Waste management regulation : No information available
  - E. International regulations : No information available
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**16. OTHER INFORMATION**

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- A. Issuing date : 04-January-2021
- B. Revision date : 29-Jun-2023
- C. Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BIONEER corporation shall not be held liable for any damage resulting from handling or from contact with the above product.

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