

Material Safety Data Sheet
Version No.: 0.0 (Issue Date: 2023-06-29)

First primer F/R sets

1. PRODUCT AND COMPANY IDENTIFICATION

- A. Product name : First priemr F/R sets
- B. Recommended use : For Research use only
- C. Supplier
- Company name : Bioneer corporation
 - Address : 8-11 Munpyeongseo ro, Daedeok gu, Daejeon 34302, Republic of K orea
 - Telephone : +82-1588-9788

2. HAZARDS IDENTIFICATION

- A. Classification of the substance or mixture
- 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
- Not a hazardous substance or mixture.
- C. Hazards not otherwise classified (HNOC) or not covered by GHS none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight (%)
DNA	9007-49-2	100%

4. FIRST AID MEASURES

- A. In case of eye contact : Flush eyes with water as a precaution.
- B. In case of skin contact : Wash off with soap and plenty of water.
- C. If Inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- D. If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

- A. Suitable (or unsuitable) extinguishing media :
- Suitable extinguishing media
Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

-
- B. Specific hazards arising from the chemical (Example: Hazardous substances generated during combustion) :
No data available
- C. Special protective actions for firefighters :
Wear self contained breathing apparatus for firefighting if necessary.
-

6. ACCIDENTAL RELEASE MEASURES

- A. Personal precautions, protective equipment :
Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see section 8.
- B. Environmental precautions :
No special environmental precautions required.
- C. The methods of purification and removal :
Sweep up and shovel. Keep in suitable, closed containers for disposal.
-

7. HANDLING AND STORAGE

- A. Precautions for safe handling :
Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.B.
- B. Conditions for safe storage, including any incompatibilities :
Keep container tightly closed in a dry and well ventilated place.
-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- A. Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
- B. Exposure controls
Appropriate engineering controls
General industrial hygiene practice.
- C. Personal Protective Equipment :
- Respiratory protection :
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
 - Eye protection :
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU).
 - Skin protection :
Handle with gloves . Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
 - Body protection :
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
-

9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance (form, color, etc) : No data available
- B. Odor : No data available
- C. Odor Threshold : No data available
- D. pH : No data available
- E. Melting/Freezing point : No data available
- F. Initial boiling point/range : No data available
- G. Flash point : No data available
- H. Evaporation rate : No data available
- I. Flammability (solid, gas) : No data available
- J. Lower/upper explosion limit : No data available
- K. Vapor pressure : No data available
- L. Water solubility : No data available
- M. Relative vapor density : No data available
- N. Density : No data available
- O. Partition coefficient: n-octanol/water : No data available
- P. Autoignition temperature : No data available
- Q. Decomposition temperature : No data available
- R. Viscosity : No data available
- S. Molecular weight : No data available

10. STABILITY AND REACTIVITY

- A. Chemical stability/Possibility of hazardous reactions :
Stable under recommended storage conditions.
- B. Conditions to avoid : No data available
- C. Incompatible materials : No data available
- D. Hazardous decomposition products : No data available.

11. TOXICOLOGICAL INFORMATION

- A. Information on the likely routes of exposure

Category	Chemical name	Content
Likely routes of exposure	DNA	No data available

- B. Delayed and immediate effects and also chronic effects from short and long term exposure

Category	Chemical name	Content
Acute toxicity (Oral)	DNA	No data available
Acute toxicity (Dermal)	DNA	No data available

Acute toxicity (Inhalation)	DNA	No data available
Skin corrosion/irritation	DNA	No data available
Serious eye damage/eye irritation	DNA	No data available
Respiratory or skin sensitization	DNA	No data available
Germ cell mutagenicity	DNA	No data available
Carcinogenicity	DNA	<ul style="list-style-type: none"> - IARC: 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. - NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. - OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	DNA	No data available
Specific target organ toxicity – single exposure	DNA	No data available
Specific target organ toxicity – repeated exposure	DNA	No data available
Aspiration hazard	DNA	No data available

C. Numerical measures of toxicity (Example: Acute toxicity estimate) : No data available

12. ECOLOGICAL INFORMATION

Category	Chemical name	Content
Ecotoxicity (Fish)	DNA	No data available
Ecotoxicity (Crustacea)	DNA	No data available
Ecotoxicity (Algae)	DNA	No data available
Persistence and degradability	DNA	No data available
Bioaccumulative potential	DNA	No data available
Mobility in soil	DNA	No data available
Other adverse effects	DNA	No data available

13. DISPOSAL CONSIDERATIONS

A. Disposal methods :

Product – Offer surplus and non recyclable solutions to a licensed disposal company.

B. Special precautions for disposal :

Contaminated packaging – Dispose of as unused product.

14. TRANSPORT INFORMATION

UN RTDG	ADR	IMDG	IATA
A. UN number			
Not applicable	Not applicable	Not applicable	Not applicable
B. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
C. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
D. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
E. Marine pollutant			
Not applicable	Not applicable	Not applicable	Not applicable
– No supplementary information available			

F. Special precautions for user:

in case of fire : **Not applicable**

in case of leakage : **Not applicable**

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.
