

Material Safety Data Sheet

Version No.: 2.0(Rev. date : 2023-12-04)

***MagListo*TM Protein G Kit Binding/Washing Buffer**

1. Product and Company Information

A. Product Name : *MagListo*TM Protein G Kit Binding/Washing buffer

B. Recommended Use : For Research Use Only

C. Supply Information :

☐ Company : Bioneer☐ Address : 71, Techno 2-ro, Yuseong-gu, Daejeon, 34013, Republic of Korea☐ Emergency telephone number : +82-42-930-8777

2. Hazards Identification

A. Risk-Hazard Classification : Specific target organ toxicity : Class 2

B. Caution Items Including Preventative measures

☐ Pictogram☐ Signal word : Warning☐ Hazard statement(s) : H361 Cause damage to the fetus or the reproductive capacity is suspect.☐ Precautionary statements :

Prevention :

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

Response : P308 + P313 If exposed or concerned get medical advice/attention.

Storage : P405 Store locked up.

Disposal : P501 Dispose of contents/container to an approved waste disposal plant.

C. Other Risks–Hazards Not Included in Risk–Hazard Classification (NFPA) : No information.

3. Composition/Information on Ingredient

Chemical name	Synonyms	CAS No.	Weight(%)
Potassium Chloride	Potassium Chloride	7447-40-7	1~5
Sodium Phosphate dibasic	Sodium Hydrogenphosphate	7558-79-4	1~5
Sodium Chloride	Sodium Chloride	7647-14-5	10~20
Water	Dihydrogen oxide	7732-18-5	50~70
Potassium phosphate monobasic	Potassium Acid Phosphate	7778-77-0	0~1
Polyoxyethylenesorbitan monolaurate	Oxyethylated Sorbitan Monolaurate	9005-64-5	0~1

4. First Aid Measure

- A. Upon Eye contact : Rinse thoroughly with plenty of water for at least 20 minutes.
- B. Upon Skin Contact : Rinse thoroughly with plenty of water for at least 20 minutes.
- C. Upon Inhalation: Seek medical attention if exposure or contact is suspected.
- D. Upon Ingestion : Seek medical attention if exposure or contact is suspected.
- E. The most important acute and delayed symptoms/effects : No information.
- F. Notes to Physician : No Information.

5. Fire–fighting Measures

- A. Proper(Improper) Extinguishing Material : To extinguish fire related to this material, use alcohol foam , dioxide or water spraying.
- B. Specific Hazards from Chemicals : No Information.
- C. Firefighting Protection and Precautions : Rescuers must wear appropriate protection.

6. Accidental Release Measures

- A. Personal precautions : Immediately wipe spills and follow prevention measures.
- B. Environmental precautions : Prevent introduction into waterways, sewers, basements and sealed spaces.
- C. Methods and materials for containment and cleaning up : Absorb liquids and clean contaminated area with detergent and water.

7. Handling and Storage

- A. Handling Precautions : Be aware of conditions and chemicals to avoid.
 - B. Storage Precautions : Keep refrigerated.
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8. Exposure Controls / Personal Protection

- A. Chemical Exposure Standards, Biological Exposure Standards Etc. : No information.
 - B. Proper Physical Management : No Information.
 - C. Personal Protection
 - ☐ Respiratory Protection : wear respiratory mask approved by KOSHA(Korea Occupation Safety Health Agency)
 - ☐ Eye Protection : wear Chemical Safety protective goggle or glasses approved by KOSHA(Korea Occupation Safety Health Agency)
 - ☐ Hand Protection : wear Chemical Safety gloves approved by KOSHA(Korea Occupation Safety Health Agency)
 - ☐ Body Protection : wear protective clothes approved by KOSHA(Korea Occupation Safety Health Agency)
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9. Physical and Chemical Properties

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- A. Appearance : Liquid, transparentness
 - B. Odor : No information.
 - C. Odor threshold : No Information
 - D. pH : No Information
 - E. Melting point/Freezing point : No Information
 - F. Initial boiling point/range : No Information
 - G. Flash point : No Information
 - H. Evaporation rate : No Information
 - I. Flammability(Solid, Liquid) : No Information
 - J. Flammability Limits upper/lower : No Information
 - K. Vapor pressure : No Information
 - L. Solubility : No Information
 - M. Vapor density : No Information
 - N. Viscosity : No Information
 - O. n octanol/water partition coefficient : No Information
 - P. Autoignition temperature : No Information
 - Q. Decomposition temperature : No Information
 - R. Specific gravity : No Information
 - S. Molecular weight : No Information
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10. Stability and Reactivity

- A. Stability : Stable under recommended storage conditions.
 - B. Possibility of harmful response : No Information.
 - C. Conditions to avoid (electric discharge, impact, vibration etc) : Ignition source of Heat, spark, flame
 - D. Material to avoid : Combustible materials.
 - E. Hazardous Decomposition Products : No Information.
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11. Toxicological Information

A. Probable Exposure Path

- ☐ Respiratory : can be harmful if inhaled.
- ☐ Ingestion : can be harmful if swallowed.
- ☐ Eye/Skin : Harmful in contact with skin. Can be caused skin irritation.

B. Health Hazard Information

- ☐ Acute Toxicity : No Information.
- ☐ Skin corrosive or irritant : can be caused skin irritation.
- ☐ Serious eye damage or irritant : can be caused eye irritation.
- ☐ Respiratory Hypersensitivity : No Information.
- ☐ Skin Hypersensitivity : No Information.
- ☐ Carcinogenic Properties : No Information.
- ☐ Reproductive Cell Mutation Properties : No Information.
- ☐ Reproductive Toxicity : No Information
- ☐ Target Organ Toxicity (Single Exposure) : No Information
- ☐ Target Organ Toxicity (Repeat Exposure) : No Information
- ☐ Inhalation Toxicity : No Information

C. Numerical measures of toxicity(Acute toxicity estimates etc) : No Information

12. Ecological Information

- A. Biological Toxicity : No Information
 - B. Persistency and Degradability : No Information
 - C. Bioconcentration : No Information
 - D. Soil Mobility : No Information
 - E. Other Toxic Effects : No Information
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13. Disposal Considerations

- A. Waste disposal method : Dispose of material material in accordance with formally disposal company.
 - B. Disposal Considerations : Dispose contents and vessel in accordance with regulation by the waste disposal law.
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14. Transport Information

A. Not regulated in the meaning of transport regulations.

IMDG: Non-hazardous for sea freight.

ADR: Non-hazardous for road transport.

RID: Non-hazardous for rail transport.

ICAO/IATA: Non-hazardous for air transport.

B. UN Number: Not applicable

C. UN Proper Shipping Name: Not applicable

D. Transport hazard class: Not applicable

E. Packing group: Not applicable

F. Marine pollutant: Not applicable

G. The special vehicle Safety measures: Not applicable

15. Regulatory Information

This safety datasheet compiles with the requirements of Regulation (EC) No. 1272/2008

16. Other References

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