Safety Data Sheet (SDS)

1. Identification

Product Name: GPΔMLD Protein of Zaire Ebolavirus (isolate H.sapiens-wt/GIN/2014/Gueckedou-C07)

Product Code: ZEB-GP-006P

Recommended Use: Research use only (Western blot standard, ELISA, antigen, laboratory research applications)

Supplier:

eEnzyme LLC

401 Professional Drive, Suite 160

Gaithersburg, MD 20879, USA

Telephone: 1-240-683-5851

Fax: 1-240-683-5852

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2. Hazard Identification

Classification: Not classified as a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: None

Hazard Statements: No known significant hazards.

Precautionary Statements: Handle according to good laboratory practices.

Other Hazards: Not determined.

3. Composition / Information on Ingredients

Components:

Recombinant protein – 50 µg/50 µL

KCl – 20 µg

KH_2PO4 – 24 µg

NaCl – 800 µg

Na_2HPO4 – 144 µg

No hazardous ingredients at reportable concentrations.

4. First-Aid Measures

Inhalation: Move to fresh air if irritation occurs.

Skin Contact: Wash skin immediately with soap and large amounts of water. Remove contaminated clothing and wash before reuse.

Eye Contact: Rinse cautiously with water for several minutes.

Ingestion: If conscious, induce vomiting and seek medical advice.

First Aid Facilities: Safety shower and eye wash station recommended.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide, or foam.

Specific Hazards: Burning may produce oxides of carbon and nitrogen.

Protective Equipment for Firefighters: Self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal Precautions: Use standard laboratory protective equipment.

Methods for Containment and Cleanup: Dilute with water and absorb with paper towels or absorbent material.

Dispose according to local regulations.

7. Handling and Storage

Handling: Use good laboratory practices. Avoid ingestion.

Storage: Store cold in a tightly closed container.

Transport: Maintain cold storage conditions during transport.

8. Exposure Controls / Personal Protection

Exposure Limits: Not established.

Engineering Controls: General laboratory ventilation.

Personal Protective Equipment:

Gloves
Lab coat
Safety glasses

9. Physical and Chemical Properties

Appearance: Solution

Odor: Not determined

pH: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Solubility: Water soluble

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Heating above 212°F (100°C) in the presence of air.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and nitrogen may form during combustion.

11. Toxicological Information

Routes of Exposure: Ingestion

Carcinogenicity: Not determined

Target Organs: Not determined

No known toxicological data available for this product mixture.

12. Ecological Information

No ecological data available.

13. Disposal Considerations

Dispose in accordance with local, provincial, and federal regulations. Laboratory waste procedures should be followed.

14. Transport Information

Not regulated as dangerous goods for transport.

15. Regulatory Information

This product is intended for research use only.

Not classified as hazardous under WHMIS 2015.

16. Other Information

Disclaimer:

The information provided is believed to be accurate but does not claim to be complete.

It is intended only as a guide for safe handling and use of the material.

The responsibility for safe use rests with the user.