SAFETY DATA SHEET (SDS)

Ebola Virus Pseudoviral Particles

Section 1: Identification

Product Name	Ebola Pseudoviral Particles
Catalog Numbers	PsLv-EBOV-ZM76, PsLv-EBOV-SD2000, PsLv-EBOV-M2014, PsLv-BDBV-2026
Use	For research use, *i.e.* neutralization assay, vaccine development, antiviral compound screening, cell entry/receptor binding assays, ELISA or other immunoassays etc
Company Address	eEnzyme LLC 401 Professional Drive, Ste 160 Gaithersburg, MD 20879, USA Phone: 1-240-683-5851

Section 2: Hazards Identification

These pseudoviral particles themselves are not replicable and do not contain DNA. They are usually used in assays with live cells which should be handled in a Biosafety Level 2 laboratory. Contact your local institutional biosafety office for accurate regional information.

Section 3: Composition/Information on Ingredients

Biological Product: Bi-membrane particles consist of the replication-deficient lentivirus pseudotyped with the recombinant proteins Gag-Pol, equine encephalitis spike glycoproteins, and the luciferase RNA. Replication-deficient virus-like particles (VLPs) can be used in biosafety level 2 (BSL-2) laboratories for research study.

Section 4: First Aid Measures

Swallowed:	Rinse mouth with water then drink copious amounts of water
Eye Contact:	Wash continuously with water for 15 minutes
Skin Contact:	Immediately wash skin with soap and water. Wash contaminated clothing
Inhaled:	Remove to fresh air
Ingested:	Rinse mouth thoroughly with water
Physician's Note:	Treat symptomatically. No specific antidote. Medical staff must contact Poison Control Center. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

Section 5: Fire Fighting Measures

Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special Firefighting Procedures:	The decomposition products are unknown; use caution when handling under fire conditions
Unusual Fire and Explosions Hazards:	Fire-fighters should wear standard protective equipment, including self-contained breathing apparatus (SCBA), when responding to a fire involving this product.
Spill Response:	Absorb with paper towel and dispose into biohazard waste
Personal Precautions & Equipment:	Immediately contact emergency personnel. Use suitable protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. Dispose cloth in accordance with local disposal guidelines
Emergency Procedures:	Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Section 7: Handling and Storage

Precautions for Safe Handling:	Follow established laboratory safety procedures
Storage Information:	As directed on the product datasheet

Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station
Personal Protective Measures:	Use Safe Laboratory Practice, Safety glasses; Face shield; Lab coat; Rubber or plastic gloves; Respirator if needed

Section 9: Physical and Chemical Properties

Physical State:	Aqueous Solutions
Odor:	None
Solubility in Water:	Good
Additional Information:	N/A

Section 10: Stability and Reactivity

Reactivity:	Stable under normal handling conditions
Chemical Stability:	Stable under recommended transport or storage conditions
Hazardous Reactions:	Will not occur under normal transport or storage conditions
Hazardous Decomposition Products:	None. Burning can produce oxides of carbon and nitrogen.

Section 11: Toxicological Information

Likely Routes of Exposure: None if properly handled. Accidental routes include skin, eye and mouth. Accidental exposure might cause an irritation reaction in susceptible individuals.

Effects of Exposure: N/A

Section 12: Ecological Information

Toxicity: No environmentally toxic content.

Section 13: Disposal Consideration

Waste Product: Dispose of contaminated materials in accordance with local biohazard disposal regulations

Contaminated Packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

Section 14: Transport Information

IATA / ADR /DOT-US / IMDG: Not regulated in the meaning of transport regulations.

UN Number: Not Applicable

Transport Hazard Class(es): Not Applicable

Environmental Hazards: Not Applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

Section 15: Regulatory Information

US Federal Regulations

Clean Air Act, Section 12 Hazardous Air Pollutions (HAPs): This product does not contain HAPs.

SARA 313: This product is not regulated by SARA.

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with this hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Other Information

Preparation Date	6/8/2020
Revision Date	4/25/2025

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.