

# SAFETY DATA SHEET (SDS)

## MLV-Luciferase Pseudoviral Particles

### 1: Identification

#### PRODUCT DETAILS

**Product Name:** MLV-Luciferase Pseudoviral Particles  
**Catalog Number:** PsV-001  
**Use:** For research and in vitro use  
**Company:** eENZYME LLC  
**Address:** 401 Professional Drive, Suite 160  
Gaithersburg, MD 20879, USA  
**General Information:** 1-240-683-5851

### Section 2: Hazards Identification

**Hazard:** Should be handled in a Biosafety Level 2 laboratory. Contact your local institutional biosafety office for accurate regional information.

**Biohazard:** As per guidelines recommended by the NIH, the non-replicative lentiviral particles are to be handled as Risk Group Level 2 (RGL2).

([https://osp.od.nih.gov/wpcontent/uploads/Lenti\\_Containment\\_Guidance.pdf](https://osp.od.nih.gov/wpcontent/uploads/Lenti_Containment_Guidance.pdf))

### Section 3: Composition/Information on Ingredients

**Biological Product:** Non-replicative Maloney murine leukemia viral (MLV) particles. Replication-deficient.

### 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:** Nature of decomposition products not known.  
**Unusual Fire and Explosions Hazards:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**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:** Use Safe Laboratory Practice.  
**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:** No data

#### 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 a irritation reaction in susceptible individuals.  
**Effects of Exposure:**

#### Section 12: Ecological Information

**Toxicity:** No environmentally toxic content.

Section 13: Disposal Consideration

**Waste Product:** Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

**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 Pollutants (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** Unrevised

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.