

SAFETY DATA SHEET (SDS)

SARS-CoV-2 Pseudoviral Particles

1: Identification

PRODUCT DETAILS

Product Name: SARS-CoV-2 Pseudoviral Particles
Catalog Number: SCV2-PsV-SA
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

These pseudoviral particles themselves are not replicable and do not contain DNA. They can be handled in a regular molecular biology laboratory. However, 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 Maloney murine leukemia viral (MLV) recombinant proteins Gag-Pol, the recombinant SARS-CoV-2 Spike protein, and the luciferase RNA. 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

Spill Response: operated in positive pressure mode.
Personal Precautions & Equipment: Absorb with paper towel and dispose into biohazard waste
Immediately contact emergency personnel. Use suitable protective equipment. Evacuate personnel to safe areas.
Emergency Procedures: Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. Dispose cloth in accordance with local disposal guidelines.
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 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

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.