

# Safety Data Sheet (SDS)

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## 1. Identification

**Product Name: Zika Virus NS1 Protein**

**Product Code: ZV-NS1-50P**

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  
Email: info@eEnzyme.com

## 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<sub>2</sub>PO<sub>4</sub> – 24 µg  
NaCl – 800 µg  
Na<sub>2</sub>HPO<sub>4</sub> – 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.