

# SAFETY DATA SHEET (SDS)

## Spike RBD Protein of SARS-CoV

### 1: Identification

#### PRODUCT DETAILS

|                            |  |
|----------------------------|--|
| <b>Product Name</b>        | Spike RBD Protein of SARS-CoV  |
| <b>Other Names</b>         | None<br>SCV-RBD-035P   |
| <b>Use</b>                 | For research use, <i>i.e.</i> western blot standard, antibody ELISA, antigen |
| <b>Company</b>             | eENZYME LLC  |
| <b>Address</b>             | 401 Professional Drive, Suite 160<br>Gaithersburg, MD 20879, USA             |
| <b>General Information</b> | 1-240-683-5851   |

### Section 2: Hazards Identification

**GHS Classification of substances and mixtures:** Not hazardous. May cause eye or skin irritation in susceptible individuals. May be harmful if swallowed or inhaled.

**Signal Word:** Not hazardous.

**Other Information:** No other information available.

### Section 3: Composition/Information on Ingredients

At the concentration of the chemicals in the aqueous solution provided, the protein is considered nonhazardous.

| <b>Chemical Components</b>       | <b>Description</b>         |
|----------------------------------|----------------------------|
| Spike RBD                        | Recombinant protein, 50 µg |
| KCl                              | 100 µg                     |
| KH <sub>2</sub> PO <sub>4</sub>  | 120 µg                     |
| NaCl                             | 4 mg                       |
| Na <sub>2</sub> HPO <sub>4</sub> | 572.5 µg                   |

### Section 4: First Aid Measures

|                              |  |
|------------------------------|--|
| <b>Swallowed:</b>            | Rinse mouth with water then drink copious amounts of water.            |
| <b>Eye:</b>                  | Wash continuously with water for 15 minutes                            |
| <b>Skin:</b>                 | Immediately wash skin with soap and water. Wash contaminated clothing. |
| <b>Inhaled:</b>              | Remove to fresh air.   |
| <b>First Aid Facilities:</b> | Eye bath   |
| <b>Physician's note</b>      | Treat symptomatically.   |

Section 5: Fire Fighting Measures

|  |      |
|--|------|
| <b>Extinguishing Media:</b>                | None |
| <b>Special Firefighting Procedures:</b>    | None |
| <b>Unusual Fire and Explosions Hazards</b> | None |

Section 6: Accidental Release Measures

|   |  |
|---|--|
| <b>Spill Response</b>                     | Absorb with paper towel and dispose into biohazard waste |
| <b>Containment</b>                        | None   |
| <b>Personal Precautions and Equipment</b> | Gloves, Protective goggles, laboratory coat              |
| <b>Emergency Procedures</b>               | Avoid direct skin and eye contact when cleaning up       |

Section 7: Handling and Storage

|  |  |
|--|--|
| <b>Recommendations for Safe Storage</b>    | No special precautions for personal safety |
| <b>Additional Storage Information</b>      | None                                       |
| <b>Precautions for Safe Handling</b>       | Use Safe Laboratory Practice.              |
| <b>Additional Precautions for Handling</b> | None                                       |

Section 8: Exposure Controls/Personal Protection

|   |   |
|---|---|
| <b>Exposure Limits</b>                          | No data   |
| <b>Engineered Environmental Controls Needed</b> | No special controls needed  |
| <b>Personal Protective Measures</b>             | Use Safe Laboratory Practice, protective gloves, goggles, laboratory coat |
| <b>Special Requirements</b>                     | None  |

Section 9: Physical and Chemical Properties

|                            |                   |
|----------------------------|-------------------|
| <b>Physical State</b>      | Aqueous Solutions |
| <b>Odor</b>                | None              |
| <b>Solubility in Water</b> | Good              |
| <b>Specific Gravity</b>    | No data           |
| <b>pH</b>                  | Neutral           |
| <b>Boiling Point</b>       | No data           |
| <b>Melting Point</b>       | No data           |
| <b>Flash Point</b>         | No data           |
| <b>Vapor Pressure</b>      | No data           |
| <b>Vapor Density</b>       | No data           |

Section 10: Stability and Reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                             | Compounds considered non-dangerous at concentrations given. |
| <b>Chemical Stability</b>                     | Stable  |
| <b>Hazardous Reactions or Polymerizations</b> | Will not occur.   |
| <b>Hazardous Decomposition Products:</b>      | None. Burning can produce oxides of carbon and nitrogen.    |
| <b>Incompatible Materials</b>                 | None known  |

|                                       |
|---------------------------------------|
| Section 11: Toxicological Information |
|---------------------------------------|

|                                  |   |
|----------------------------------|---|
| <b>Likely Routes of Exposure</b> | None if properly handled. Accidental routes include skin, eye and mouth. Accidental exposure might cause a reaction in susceptible individuals. |
| <b>Effects of Exposure</b>       | None known, general class of similar chemical solutions have no toxic, carcinogenic, or mutagenic effects.                                      |
| <b>Toxicity Data and LD50</b>    | None known at concentrations provided.  |

|                   |
|-------------------|
| Other Information |
|-------------------|

|                         |           |
|-------------------------|-----------|
| <b>Preparation Date</b> | 4/12/2020 |
| <b>Revision Date</b>    | 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.