

Version : 01

Update : 05/18/2021

## SAFETY DATA SHEET

### Section 1-Identification of the substance/mixture and of the company/undertaking

#### 1.1 Identification of the substance or mixture

Product code: Z03607-100; Z03607-1

Product name: SARS-CoV-2 Spike protein (RBD, E484Q, L452R, Avi & His Tag)

#### 1.2 Company/undertaking identification

GenScript Technologies: Manufacture of substances

#### 1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : [product@genscript.com](mailto:product@genscript.com)

Web : <http://www.genscript.com>

#### 1.4 For Research Use Only. Not for use in diagnostic procedures.

### Section 2- Hazards identification

#### 2.1 GHS - Classification

##### Signal Word

None

##### Health hazards

Not classified

##### Physical hazards

Not classified

##### Hazard Statements

Not Applicable

##### Precautionary Statements

Not Applicable

#### 2.2 Principle Routes of Exposure Potential Health Effects

##### Eyes

Not Applicable.

##### Skin

Not Applicable.

##### Inhalation

Not Applicable.

##### Ingestion

Not Applicable.

## 2.3 Specific effects

### Carcinogenic effects

None.

### Mutagenic effects

None.

### Reproductive toxicity

None.

### Sensitization

None

### Target Organ Effects

No known effects under normal use conditions.

## 2.4 HMIS

|              |   |
|--------------|---|
| Health       | 0 |
| Flammability | 0 |
| Reactivity   | 0 |

## Section 3- Composition/information on ingredients

|                 |   |
|-----------------|---|
| Ingredient Name | SARS-CoV-2 Spike protein (RBD, E484Q, L452R, Avi & His Tag) |
|-----------------|---|

## Section 4- First aid measures

### 4.1 Skin contact

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

### 4.2 Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

### 4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

### 4.4 Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

### 4.4 Notes to Physician

Treat symptomatically.

## Section 5- Firefighting measures

### 5.1 Suitable extinguishing media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

### 5.2 Special protective equipment for firefighters

Standard procedure for chemical fires.

## **Section 6- Accidental release measures**

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### **6.1 Personal precautions**

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

### **6.2 Methods for cleaning up**

Soak up with inert absorbent material.

### **6.3 Environmental precautions**

No special environmental precautions required.

See Section 12 for more information.

## **Section 7- Handling and storage**

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### **7.1 Handling**

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

### **7.2 Storage**

Upon receiving, the product can be stored for 6 months at -20°C or below. Please avoid repeated freeze-thaw cycles.

## **Section 8- Exposure controls/personal protection**

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### **8.1 Exposure Limits**

We are not aware of any national exposure limit.

### **8.2 Engineering measures**

Ensure adequate ventilation, especially in confined areas.

### **8.3 Personal Protective Equipment**

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

#### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

#### **Hand protection**

Impervious gloves.

#### **Eye protection**

Wear safety glasses with side shields (or goggles).

#### **Skin and Body Protection**

Lightweight protective clothing.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

### **8.4 Environmental exposure controls**

No special environmental precautions required.

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## Section 9- Physical and chemical properties

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### 9.1 General information

|                               | Physical State    | Color     |
|-------------------------------|-------------------|-----------|
| PBS                           | Liquid            | Colorless |
| Appearance                    | No data available |           |
| Odor                          | No data available |           |
| Odor Threshold                | No data available |           |
| Boiling point / boiling range | No data available |           |
| Melting point / melting range | No data available |           |
| flash point:                  | No data available |           |
| Autoignition Temperature      | No data available |           |
| Oxidizing properties          | No data available |           |
| Water solubility              | No data available |           |

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### 10.1 Stability

Upon receiving, the product can be stored for 6 months at -20°C or below. Please avoid repeated freeze-thaw cycles.

### 10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

### 10.3 Hazardous decomposition

None under normal use conditions.

### 10.4 Products polymerization

Hazardous polymerization does not occur.

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## Section 11-Toxicological information

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### 11.1 Acute Toxicity

No toxicology information is available.

### 11.2 Principle Routes of Exposure Potential Health Effects

|            |  |
|------------|--|
| Eyes       | May cause eye irritation with susceptible persons. |
| Skin       | May cause skin irritation in susceptible persons.  |
| Inhalation | May be harmful by inhalation.                      |
| Ingestion  | May be harmful if swallowed.                       |

|                       |       |
|-----------------------|-------|
| Carcinogenic effects  | None. |
| Mutagenic effects     | None. |
| Reproductive toxicity | None. |
| Sensitization         | None. |

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## Section 12- Ecological information

|                             |  |
|-----------------------------|--|
| <b>12.1 Ecotoxicity</b>     | Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. |
| <b>12.2 Mobility</b>        | No information available.  |
| <b>12.3 Biodegradation</b>  | Inherently biodegradable.  |
| <b>12.4 Bioaccumulation</b> | Material does not bioaccumulate.   |

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## Section 13- Disposal considerations

Dispose of contents/containers in accordance with local regulations.

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## Section 14- Transport information

### 14.1 IATA

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | No dangerous good in sense of these transport regulations |
| <b>Hazard Class</b>         | None  |
| <b>Subsidiary class</b>     | None  |
| <b>Packing group</b>        | None  |
| <b>UN-No</b>                | None  |

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## Section 15- Regulatory information

### 15.1 US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

### 15.2 US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### 15.3 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the

MSDS contains all the information required by the CPR.

## **Section 16- Other information**

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### **16.1 Reason for revision**

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

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