

Version : 01

Update : 08/18/2021

## SAFETY DATA SHEET

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

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#### 1.1 Identification of the substance or mixture

Product code : Z03690-20; Z03690-100; Z03690-500; Z03690-2

Product name : SARS-CoV-2 Spike protein (RBD, K417N, L452R, T478K, Avi & His Tag)-HRP

#### 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

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#### 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

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.

#### 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

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### Section 4- First aid measures

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#### 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

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#### 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, this product remains stable up to 3 months at 2-8°C. Protect from light.

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## Section 8- Exposure controls/personal protection

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### 8.1 Exposure Limits

Contains no substances with occupational exposure limit values

### 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

|                               |  |
|-------------------------------|--|
| Form                          | Liquid                                       |
| Appearance                    | Clear, colorless liquid                      |
| Odor                          | No data available                            |
| Odor Threshold                | No data available                            |
| Boiling point / boiling range | °C No data available<br>°F No data available |
| Melting point / melting range | °C No data available<br>°F No data available |
| flash point:                  | °C No data available<br>°F No data available |
| Autoignition Temperature      | °C No data available<br>°F No data available |
| Oxidizing properties          | No data available                            |
| Water solubility              | No data available                            |

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### 10.1 Stability

Upon receiving, this product remains stable up to 3 months at 2-8°C. Protect from light.

### 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.

## 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.  |

## Section 12- Ecological information

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### 12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

### 12.2 Mobility

No information available.

### 12.3 Biodegradation

Inherently biodegradable.

### 12.4 Bioaccumulation

Material does not bioaccumulate.

## Section 13- Disposal considerations

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Dispose of contents/containers in accordance with local regulations.

## Section 14- Transport information

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### 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  |

## Section 15- Regulatory information

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## 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 contain 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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