

# SAFETY DATA SHEET

Date Created 10/18/2020

Version 1.1

## 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 : Z03528

Product name : SARS-CoV-2 Spike protein (S1, Y453F, 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

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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

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 (S1, Y453F, His Tag)
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**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.

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

### **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 at -20°C or below. Please avoid repeated freeze-thaw cycles.

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

### **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

Stable under -20°C or below for one year.

### 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.

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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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<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.

## 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 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.

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## **Section 16- Other information**

### **16.1 Reason for revision**

SDS sections updated.

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

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