



\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

MSDS Name: Biotinylated SARS-CoV-2 Spike Trimer Protein (T95I, Y144S, Y145N, R346K, E484K, N501Y, D614G, P681H, D950N), His,Avitag™ (MALS verified)

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Catalog Numbers: SPN-C82Ek

Company Identification: ACROBIOSYSTEMS INC  
For information, call: +1 800-810-0816

\*\*\*\* SECTION 2 - HAZARDS IDENTIFICATION \*\*\*\*

EMERGENCY OVERVIEW

Eye: Potassium chloride can cause eye irritation, including redness, tearing, and possible abrasions.  
Skin: Sodium Phosphate is a corrosive material and can cause burns.  
Sensitization possible through skin contact and inhalation.  
Ingestion: Material can be irritating to mucous membranes and respiratory tract.  
Inhalation: Inhalation of high concentrations of dust may cause nasal or lung irritation.  
Ingestion of large quantities can produce gastrointestinal irritation and vomiting.  
Chronic: N/A

\*\*\*\* SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

The product contains no substances which at their given concentration, are considered to be hazardous to health.  
We recommend handling all chemicals with caution.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eyes: Rinse opened eye for at least 15 minutes under running water, lifting upper and lower eyelids occasionally.  
Seek medical attention.  
Skin: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes.  
Seek medical attention.  
Ingestion: swallowed and patient is conscious, induce vomiting. Seek medical attention immediately.  
Inhalation: In case of unconsciousness, place patient on side position for transportation.  
If not breathing, give artificial respiration. Supply fresh air or oxygen; seek medical attention immediately.

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

Personal Precautions Use personal protective equipment.  
Methods for Cleaning Up Take up mechanically and collect in suitable container for disposal.

\*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\*

Handling: Wear personal protective equipment.  
Storage: Keep in properly labelled containers.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment  
Respiratory Protection : In case of insufficient ventilation wear suitable respiratory equipment.  
Hand Protection: Protective gloves.  
Eye Protection: Safety glasses with side-shields.  
Skin and Body Protection: Lightweight protective clothing.  
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.  
Environmental Exposure: Prevent product from entering drains.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

General Information

Form	Liquid	
<u>Important Health Safety and Environmental Information</u>		
Boiling Point/Range	°C No data available	°F No data available
Melting Point/Range	°C No data available	°F No data available
Flash Point	°C No data available	°F No data available
Autoignition Temperature	°C No data available	°F No data available
Oxidizing Properties	No information available	
Water Solubility	No data available	

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Stability Stable.  
Materials to Avoid No information available.  
Hazardous decomposition products No information available.  
Polymerization Hazardous polymerisation does not occur.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

Acute Toxicity



### Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
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Skin.	No information available.
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Inhalation	May cause irritation of respiratory tract.
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Ingestion	May be harmful if swallowed.
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### Specific effects (Long Term Effects)

Carcinogenic e	No information available.
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Mutagenic E	No information available.
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Reproductive T	No information available.
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Sensitization	No information available.
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\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*

Ecotoxicity E	No information available.
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Mobility	No information available.
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Biodegradation	Inherently biodegradable.
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Bioaccumulation	Does not bioaccumulate.
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\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Dispose of in accordance with local regulations

\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*

Transportation information-DOT/IATA/IMDG

Not dangerous goods. Be available for any mode of transportation.

\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture---no data available

Chemical Safety Assessment---For this product a chemical safety assessment was not carried out

\*\*\*\* SECTION 16 - OTHER INFORMATION\*\*\*\*

For research use only

**Reported by:**

**Company Name : ACROBIOSYSTEMS INC**

**Date:** 01/12/2023