



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

MSDS Name: SARS-CoV-2 Spike Trimer Protein (T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R, D950N), His Tag (MALS verified)

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Catalog Numbers: SPN-C52He

Company Identificatio ACROBIOSYSTEMS INC
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**** 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

Principle Routes of Exposure/
Potential Health effects
Eyes May cause eye irritation with susceptible persons.
Skin. No information available.
Inhalation May cause irritation of respiratory tract.