

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

MSDS Name: Alexa Fluor™ 647-Labeled Human HLA-A\*11:01&B2M&KRAS (VVVGAGGVGK) Complex ProteinStar Staining (Monomer)

**\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\***

MSDS Name: Alexa Fluor™ 647-Labeled Human HLA-A\*11:01&B2M&KRAS (VVVGAGGVGK) Complex ProteinStar Staining (Monomer)  
 Catalog Numbers: HLS-HA2H8

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 Solid Lyophilized powder

Important Health Safety and Environmental Information

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.  
Ingestion                                        May be harmful if swallowed.

**Specific effects (Long Term Effects)**

Carcinogenic e                                No information available.  
Mutagenic E                                    No information available.  
Reproductive T                                No information available.  
Sensitization                                    No information available.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

Ecotoxicity E                                    No information available.  
Mobility                                         No information available.  
Biodegradation                                 Inherently biodegradable.  
Bioaccumulation                                Does not bioaccumulate.

\*\*\*\* 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. 1272/2008 (CLP/EU-GHS), 29 CFR 1910.1200 (OSHA).  
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:** 08/09/2024