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

Product Name **Antisera Gaussia Luciferase**

Product Number **Cat # 401P**

Manufactured by Prolume Ltd.

Address: POB 2746, Pinetop AZ 85935

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#### **Composition/Information on Ingredient:**

Substance Name(s): Polyclonal Heat Inactivated Rabbit Antisera against Gaussia Luciferase Protein.

#### **Hazards Identification:**

HMIS RATING: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 1

NFPA RATING: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 1

#### **First Aid Measures:**

ORAL EXPOSURE: If swallowed, wash out mouth with water provided person is conscious. Call a physician only if signs of allergy such as flushing, difficulty breathing, or fainting occur.

INHALATION EXPOSURE: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE: In case of contact, wash skin with soap and water.

EYE EXPOSURE: In case of contact with eyes, flush with copious amounts of water for at least 10 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician if redness or inflammation continues for more than 12 hours.

#### **Fire Fighting Measures:**

FLASH POINT: N/A AUTOIGNITION TEMP: N/A FLAMMABILITY: N/A

SUITABLE EXTINGUISHING MEDIA: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING Protective Equipment: No special precautions or equipment required.

**Specific Hazard(s):** Possible Allergic reaction upon contact to people with known Rabbit Allergies.

#### **Accidental Release Measures:**

PROCEDURE(S) OF PERSONAL PRECAUTION(S) Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dried fomites.

**Methods for Clean-up:** Soak up, place in a bag and hold for waste disposal. It may be washed with standard soap or other cleaning agents.

#### **Handling and Storage & Stability:**

User Exposure: Avoid contact with eyes, skin, and clothing. Avoid repeated inhalation exposure. Antisera-Gluc is protein product, repeated inhalation exposure may eventually lead to immunization and subsequent allergic reaction or asthma like symptoms upon re-exposure. While allergic reaction to a species as distant and uncommonly in contact with humans is unlikely and has never been observed, it

may be possible for a person coming into repeated contact by inhalation of product dust to become immunized and develop a severe and acute allergic reaction or even anaphylactic shock. Anyone developing asthma like symptoms after inhalation exposure should refrain from subsequent contact with product or dried fomites.

**STORAGE:** Keep tightly closed. Refrigerate, or store at -20°C. Before exposure to air make sure the product is at room temperature. Refreezing and thawing will reduce the specific activity.

**SPECIAL REQUIREMENTS:** None

**Special Packaging Requirements:** Keep frozen at -20C or below.

**Exposure Controls / PPE:**

**ENGINEERING CONTROLS:** Safety shower and eye bath. Mechanical exhaust required.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Respiratory:** Wear dust mask. **Hand:** Protective gloves. **Eye:** Chemical safety goggles.

**GENERAL HYGIENE MEASURES:** Wash with soap and water after handling.

**Physical/Chemical Properties:**

**Physical Appearance and State:** Yellowish liquid.

**Molecular Weight:** Unknown

**pH** 7.4

**BP/BP Range** N/A

**MP/MP Range** N/A

**Freezing Point** N/A

**Vapor Pressure** N/A

**Vapor Density** N/A

**Saturated Vapor Conc.** N/A

**Bulk Density** N/A

**Odor Threshold** N/A

**Volatile%** N/A

**VOC Content** N/A

**Water Content** N/A

**Solvent Content** N/A

**Evaporation Rate** N/A

**Viscosity** N/A

**Surface Tension** N/A

**Partition Coefficient:** U/K

**Decomposition Temp.** 45 C

**Flash Point** N/A

**Explosion Limits** N/A

**Flammability** N/A

**Autoignition Temp** N/A

**Refractive Index** N/A

**Optical Rotation** N/A

**Solubility:** Highly soluble in water.

**Reactivity:**

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unknown

**Toxicological Information**

**ROUTE OF EXPOSURE**

**Skin Contact:** May cause skin irritation.

**Skin Absorption:** Is not absorbed through skin

**Eye Contact:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled.

Ingestion: Not harmful if swallowed in un-immunized individuals.

SIGNS AND SYMPTOMS OF EXPOSURE: Usually none.

**Ecological Information:** None

**Disposal Considerations:** Is not considered toxic and may be disposed in landfill or sewer.

**Transport Information:** This substance is considered to be non-hazardous for transport.

IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Regulatory Information:**

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

**Other Information:** DISCLAIMER: Suitable for research diagnostic and research pharmaceutical use, this product is not designed for human drug or human diagnostic uses.

WARRANTY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Prolume Limited shall not be held liable for any damage resulting from handling or from contact with the above product.