



## Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Revision date: 01/01/2023

### SECTION 1-DATA OF THE MANUFACTURING COMPANY

<b>NAME OF MANUFACTURER:</b> Rekom Biotech S.L. ESB18947465		<b>FOR PRODUCT RELATED QUESTION CALL:</b> TFNO. +34958637085 FAX. +34958637085 MOB. +34607861573	
<b>COMPLETE ADDRESS</b>			
<b>STREET</b> Avda. De la Innovación	<b>Nº</b> 1	<b>PLACE</b> EDIF. BIC-Granada	<b>C.P.</b> 18016
<b>LOCALITY</b> Granada	<b>CITY</b> Granada	<b>COUNTRY</b> SPAIN	

### SECTION 2-HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP] The substance is not classified, according to the CLP regulation.

Not infectious liquid recombinant protein solution which does not contain any animal derived additive. This recombinant antigen is a liquid protein solution, without dangerous goods and is only intended for in vitro laboratory use, only for R&D purposes. This product does not contain hazardous chemicals. Additionally, this product is not known to contain carcinogens at concentrations of 0.1% or greater. As a result, a Material Safety Data Sheet is not required for this product.

**2.2 Label elements:** The product does not need to be labeled in accordance with Regulation (EC) No 1272/2008.

**2.3 Other hazards:** none

### SECTION 3-COMPOSITION/INFORMATION ON INGREDIENTS

<b>NAME</b> Recombinant antigen VlsE for <i>Borrelia afzelii</i>	<b>PART NUMBER</b> RAG0102
<b>COMPONENTS</b> his-VlsE: recombinant antigen with a his-tag in its N-terminus  Storage buffer: 20 mM phosphate buffer pH 6, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether	These materials are produced by recombinant microbial expression with vectors that are not considered pathogenic for livestock and avian species and these organisms do not contain genes or express antigens of livestock or poultry agents. This material is not known or suspected to contain an etiological agent, host or vector of human disease.
These preparations do not contain any animal derived additives, such as albumin, these products are only intended for <i>in vitro</i> laboratory use.	
<b>MIXTURES</b> Sample diluent is not dangerous preparation (Regulation (EC) No 1272/2008 [CLP]).	

<b>APPEARANCE</b> Liquid solution
<b>APPLICATION</b> For Research Use Only

<b>SECTION 4-FIRST AID MEASURES</b>
<b>4.1. Description of first aid measures</b>
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately wash with water and soap and rinse thoroughly. Generally, the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: Rinse mouth with water. Seek medical attention and appropriate follow-up.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b> Not information available
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b> treat symptomatically.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>
<b>5.1 Extinguishing media:</b> The product is non-flammable. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>5.2 Special hazards arising from the substance or mixture:</b> not applicable
<b>5.3 Advice for firefighters:</b> Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>
<b>6.1 Personal precautions, protective equipment and emergency procedures:</b> Use standard laboratory practices including proper personal protective equipment.
<b>6.2 Environmental precautions:</b> Do not let product enter drains.
<b>6.3 Methods and material for containment and cleaning up:</b> <ul style="list-style-type: none"> <li>– Absorb liquid components with liquid-binding material.</li> <li>– Pick up mechanically.</li> <li>– Dispose contaminated material as waste</li> </ul>
<b>6.4 Reference to other sections:</b> For additional information see the sections 8 and 13 of this document.

<b>SECTION 7: HANDLING AND STORAGE</b>
<b>7.1 Precautions for safe handling:</b> No special measures required. No special precautions are necessary if used correctly.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b> storage according to product specifications.
<b>7.3 Specific end use:</b> no further relevant information available.

<b>SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION</b>
<b>8.1 Control parameters:</b> None known. Contains no substances with occupational exposure limits.
<b>8.2 Exposure controls:</b> <ul style="list-style-type: none"> <li>– Eye/face protection: appropriate safety glasses</li> </ul>

- Skin protection: Use appropriate chemical resistant gloves and wear protective work clothing.
- Environmental exposure controls: No special measures are required

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

- Physical state: clear liquid.
- Colour: Transparent
- Odour: Little to none Vapor
- Melting point/freezing point: Not available.
- Boiling point or initial boiling point and boiling range: Not available.
- Flammability: Not available.
- Lower and upper explosion limit: Not available.
- Flash point: Not available.
- Auto igniting temperature: Product is not self igniting.
- Decomposition temperature: Not available.
- pH: 6
- Kinematic viscosity: Not available
- Solubility: water soluble
- Partition coefficient n-octanol/water (log value): Not available
- Vapour pressure: Not available.
- Density and/or relative density: Not available
- Relative vapour densit: Not available.
- Particle characteristics: Not available.

**9.2 Other information:** No further relevant information available.

## **SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:** Stable under recommended transport and storage conditions.

**10.2 Chemical Stability:** Stable under recommended storage and handling temperatures.

**10.3 Possible hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid:** Heat and moisture.

**10.5 Incompatible materials:** Strong acids/alkalis, strong oxidizing/reducing agents.

**10.6 Hazardous decomposition products:** No known decomposition information.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- Acute toxicity: Classification criteria are not met based on available data.
- Skin corrosion/irritation: Classification criteria are not met based on available data.
- Serious eye damage/irritation: Classification criteria are not met based on available data.
- Respiratory or skin sensitization: Classification criteria are not met based on available data.
- Germ cell mutagenicity: Classification criteria are not met based on available data.
- Carcinogenicity: Classification criteria are not met based on available data.
- Reproductive toxicity: Classification criteria are not met based on available data.
- STOT-single exposure: Classification criteria are not met based on available data.
- STOT-repeated exposure: Classification criteria are not met based on available data.
- Aspiration hazard: Classification criteria are not met based on available data.

**11.2 Information on other hazards**

When used and handled according to specifications, the product does not have any harmful effects according to available information.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity:** Undetermined.

**12.2 Persistence and degradability:** Undetermined

**12.3 Bioaccumulative potential:** Undetermined

**12.4 Mobility in soil:** Undetermined

**12.5 Results of PBT and vPvB assessment:** Undetermined

**12.6 Endocrine disrupting properties:** Undetermined

**12.7 Other adverse effects:** Undetermined

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatments methods:** Dispose of waste in accordance to applicable national, regional, or local regulations.

**13.2 Contaminated packaging:** Dispose in the same manner as unused product.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number:** no UN number allocated to non-hazardous substances

**14.2 UN proper shipping name:** no UN number allocated to non-hazardous substances

**14.3 Transport hazard class:** IMDG: IATA: Not dangerous goods

**14.4 Packing group:** not applicable

**14.5 Environmental hazards:** No

**14.6 Special precautions for user:** Classification criteria are not met based on available data.

**14.7 Maritime transport in bulk according to IMO instruments:** not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:** Classification criteria are not met based on available data.

**15.2 Chemical safety assessment:** not performed with this product

**SECTION 16: OTHER INFORMATION**

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.