



### Section 1: Product and company identification

|                           |   |
|---------------------------|---|
| Product type:             | Aeonian Biotech recombinant antibody or monoclonal antibody produced in vitro (produced without animals involved).                                      |
| Product number:           | AE00144   |
| Supplier:                 | Aeonian Biotech Netherlands BV<br>Leiden Bio Science Park<br>JH Oortweg 21<br>2333 CH Leiden, Netherlands<br>(+31) 649505371<br>info@aeonianbiotech.com |
| Relevant identified uses: | For laboratory research use only.   |
| Emergency tel. number:    | (+31) 713322800   |

### Section 2: Hazards identification

According to GHS and to Regulation EC No 1272/2008

|                        |                                      |
|------------------------|--------------------------------------|
| Physical hazards:      | Not a hazardous substance or mixture |
| Health hazards:        | Not a hazardous substance or mixture |
| Environmental hazards: | Not a hazardous substance or mixture |

Hazards not otherwise classified (HNOC), or not covered by GHS: None

#### Emergency overview:

This product has been classified as nonhazardous based on the physical and/or chemical nature and/or concentration of ingredients. Product has little to no hazards for Emergency Responders if spilled and has no unusual hazard if in a fire. Sodium azide (<0.1%) is included as a preservative. Although it is not considered hazardous at this level, please note that accumulated sodium azide may react with lead or copper plumbing to form highly explosive metal azides. Thorough flushing of plumbing is recommended.

### Section 3: Composition/information on ingredients

|                       |            |                |
|-----------------------|------------|----------------|
| Sodium Azide          | <0.1%      | CAS 26628-22-8 |
| Proprietary, multiple | <0.1% each | N/A            |
| Water                 | >99%       | CAS 7732-18-5  |

It has been determined that the proprietary ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

## Section 4: First aid measures

In case of:

|               |   |
|---------------|---|
| Skin contact: | Wash off with soap and plenty of water                            |
| Eye contact:  | Flush with plenty of water for at least 15 minutes.               |
| Ingestion:    | Not expected hazardous, but rinse mouth and drink plenty of water |
| Inhalation:   | Move to fresh air, and address any breathing problems             |

Most important symptoms and effects, both acute and delayed: Not applicable

Indications of any immediate medical attention and special treatment needed: None

## Section 5: Fire fighting measures

|   |  |
|---|--|
| Conditions of flammability:               | Not combustible  |
| Suitable extinguishing media:             | Water, foam, CO <sub>2</sub> , dry chemical                                    |
| Special hazards arising from the product: | The microvials containing the products may release toxic vapours when on fire. |
| Advice for firefighters:                  | Treat as chemical fire   |

## Section 6: Accidental release measures

|  |   |
|--|---|
| Personal precautions:                                  | Standard laboratory practice: wear protective gloves, spectacles and lab coat                   |
| Environmental precautions:                             | Treat as laboratory waste   |
| Methods and materials for containment and cleaning up: | Soak up with inert absorbant and dispose in suitable closed containers. Avoid physical contact. |

## Section 7: Handling and storage

|   |  |
|---|--|
| Precautions of safe handling:                                 | Avoid contact with body parts and clothing.          |
| Conditions for safe storage, including any incompatibilities: | Keep aliquots at freezer and working aliquots at 4°C |
| Specific end uses:  | See part 10  |
|   | For laboratory research purposes only                |

## Section 8: Exposure controls/personal protection

|                                |   |
|--------------------------------|---|
| Control parameters:            | This antibody contains less than 0.1% sodium azide (NaN <sub>3</sub> ). Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard Communication, and EC Directive 91/155/EC. |
| Permissible exposure limits:   | ACGIH, TLV: Sodium Azide 0.29 mg/m <sup>3</sup> , ceiling<br>NIOSH, REL-C: Sodium Azide 0.3 mg/m <sup>3</sup> , skin  |
| Exposure limits:               | Contains no substances with occupational exposure limit values.   |
| Engineering measures:          | Ensure adequate ventilation, especially in confined areas.  |
| Personal Protection Equipment: |   |
| respiratory:                   | No special protective equipment required  |
| hands:                         | Wear laboratory gloves  |
| eyes:                          | Wear laboratory spectacles  |
| skin and body:                 | Wear laboratory coat  |

|                                    |   |
|------------------------------------|---|
| hygiene:                           | Use common laboratory hygiene and safety practice |
| Control of environmental exposure: | No special environmental precautions required     |

## Section 9: Physical and chemical properties

Information on basic physical and chemical properties

|                                |  |
|--------------------------------|--|
| Appearance:                    | Liquid                                 |
| Odour:                         | Odourless                              |
| pH value:                      | 7.4                                    |
| Melting point:                 | No data available                      |
| Boiling point                  | No data available                      |
| Auto-ignition temperature:     | No data available                      |
| Decomposition temperature:     | No data available                      |
| Evaporation temperature:       | No data available                      |
| Flammability (solid/gas):      | No data available                      |
| Upper/Lower combustion limits: | No data available                      |
| Vapour pressure:               | No data available                      |
| Density:                       | No data available                      |
| Water solubility:              | This product is a water-based solution |
| Explosive properties:          | Not applicable                         |
| Other information:             | No data available                      |

## Section 10: Stability and reactivity

|                                   |   |
|-----------------------------------|---|
| Reactivity:                       | Stable under normal conditions  |
| Chemical stability:               | Stable under recommended storage and use conditions   |
| Conditions to avoid:              | Avoid buildup of sodium azide in copper or lead plumbing. Thorough flushing of plumbing with water is recommended.              |
| Incompatible materials:           | Contact of sodium azide with heavy metals may form explosive azides. Contact of sodium azide with acids may liberate toxic gas. |
| Hazardous decomposition products: | In case of fire, carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride gases. None under normal conditions    |

## Section 11: Toxicological information

Information on toxicological effects

|                                |  |
|--------------------------------|--|
| Acute and repeat dose effects: | No data available  |
| Potential health effects       | No data available  |
| Inhalation:                    | Not determined. May cause respiratory tract irritation, headache, dizziness, nausea or coughing. |
| Ingestion:                     | Not determined. May cause irritation of the intestinal tract, nausea or vomiting                 |
| Skin:                          | Not determined. May cause irritation, itching, redness or inflammation                           |
| Eyes:                          | Not determined. May cause irritation, watering eyes, stinging or burning sensation               |
| Chronic health effects         | No data available  |
| Corrosive:                     | No data available  |

|                       |  |
|-----------------------|--|
| Sensitisation:        | No data available  |
| Neurological effects: | No data available  |
| Reproductive effects: | No data available  |
| Carcinogenic effects: | No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA. |
| Target organ effects: | No known effects on normal use conditions  |

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12: Ecological information

|                                     |   |
|-------------------------------------|---|
| Toxicity:                           | No known hazards at the low quantities in product               |
| Persistence and degradability:      | No data available   |
| Bioaccumulative potential:          | No data available   |
| Results of PBT and vPvB assessment: | No substance in this product are assessed to be a PBI or a vPvB |
| Other adverse effects:              | No data available   |

## Section 13: Disposal considerations

|                         |  |
|-------------------------|--|
| Product:                | Dispose of according to local regulations and laws |
| Contaminated packaging: | Dispose of as unused product                       |

## Section 14: Transport information

|                      |                    |
|----------------------|--------------------|
| DOT (US):            | No dangerous goods |
| ADR/RID (road/rail): | No dangerous goods |
| ICOA/IATA (air):     | No dangerous goods |
| IMDG (sea):          | No dangerous goods |

## Section 15: Regulatory information

Safety, health and environmental regulations/ None  
 Legislation specific for the substance or mixture:

|  |   |
|--|---|
| Chemical safety assessment:            | No information available  |
| EC 1907/2006, Annex XVII:              | Not reported  |
| EC 689/2008, Annex I:                  | Not reported  |
| EC 689/2008, Annex V:                  | Not reported  |
| EC 850/2004, amending Dir. 79/117/EEC: | Not reported  |
| EC 1272/2008:                          | Labelled and classified   |
| OSHA:                                  | Not reported as hazardous   |
| SARA 302 components (Section III):     | Sodim Azide CAS No.26628-22-8   |
| SARA 313 components:                   | Sodium Azide does not exceed the threshold (De Minimis) Reporting levels established by SARA Tite III, Section 313.<br>No other components with CAS code. |
| SARA 311/312                           | No SARA hazards   |

Canada (DSL / NDSL):  
United States (TSCA):

All ingredients are on the inventory or exempt from listing  
All ingredients are on the inventory or exempt from listing

## **Section 16: Other information**

For research use only.

Please read the instructions on the product data sheet and the terms and conditions on the product web page before use

The above information is believed correct to the best of our knowledge, but it may not be all-inclusive and it should be used as a guide only. Aeonian Biotech shall not be held liable for the use of this information, nor for any damage resulting from handling, or from direct contact with our products. This information does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose.