# Safety Data Sheet (SDS)

Prepared in accordance with Regulation (EC) No. 1907/2006 as amended by Regulation (EC) No. 2020/878 and Regulation (EU) No. 1272/2008

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

429 004
Aquaporin4, antiserum
100 µl

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| **Pure substance/mixture:** | Pure Substance |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

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| **Recommended use:** | Lyophilized preparation containing proteins or peptides for research use only. Intended for reconstitution with water according to the product instructions. |
| **Uses advised against:** | Not for therapeutic or diagnostic use in humans or animals |

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**

Synaptic Systems GmbH
Rudolf-Wissell Str. 28a
37079 Goettingen
Germany

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| **Tel:** | +49 (0) 551 50556-0 |
| **E-Mail:** | sales@sysy.com |

### 1.4. Emergency telephone number

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| **Tel CHEMTREC ®:** | 1-800-424-9300 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Not classified as hazardous substance/mixture based on available composition information.

### 2.2. Label elements

No label elements required for the mixture as supplied, based on current classification assessment.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

| Chemical name | CAS-No | EC-No | Classification according to EG No. 1272/2008 (CLP) | Concentration % (w/w) |
|---|---|---|---|---|
| antiserum | - | - | - | 100% w/w |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation**
- Remove exposed person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Skin**
- Remove contaminated clothing and wash affected area with soap and water.

**Eye**
- In case of contact with eyes, irrigate with room-temperature water or eyewash solution for several minutes, occasionally lifting eyelids. Seek medical advice if irritation persists.

**Ingestion**
- If swallowed, rinse mouth thoroughly and give water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

No adverse effects have been identified.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms as they occur.

## SECTION 5: Firefighting measures

5.1 Extinguishing media
- **Suitable:** Use extinguishing media appropriate to cause of the fire, and the surroundings. Water spray, carbon dioxide and dry-chemical powder are suitable.
- **Unsuitable:** Not available

5.2 Special hazards arising from the substance or mixture
- The product is a lyophilized powder, and is not classified as flammable.

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| 5.3 Advice for firefighters | • Firefighters should wear an approved self-contained breathing apparatus and full protective clothing |

## SECTION 6: Accidental release measures

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| 6.1 Personal precautions, protective equipment and emergency procedures | • Wear personal protection (see Section 8). Product is supplied very small volumes (< 1 ml) in a glass vial, and does not pose a health or environmental hazard during foreseeable use.<br>• Follow prescribed procedures for responding to large spills. |
| 6.2 Environmental precautions | • No environmental hazard from foreseen use.<br>• For large spills, prevent product from entering water courses or drainage system by absorption with inert material. |
| 6.3 Methods and material for containment and cleaning up | • Clean up spill as soon as possible. Collect plastic vials.<br>• For small quantities of spilt product, wipe off with cloth or paper.<br>• For larger quantities, absorb with an inert material such as cloth, or sand. Wash contaminated surfaces with water<br>• and detergent, and collect waste, washings, and contaminated materials for safe disposal. |
| 6.4 Reference to other sections | • For recommended personal protective equipment, see Section 8.<br>• For disposal considerations, see Section 12. |

## SECTION 7: Handling and storage

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| 7.1 Precautions for safe handling | • Use with adequate ventilation<br>• Avoid creating dust<br>• Avoid contact with skin, eyes, and clothing<br>• Do not eat, drink, or smoke when using this product<br>• Keep away from acids<br>• Avoid disposal into metal plumbing systems containing copper or lead |
| 7.2 Conditions for safe storage, including any incompatibilities | • Store tightly closed in original container<br>• Store in a cool, dry, well-ventilated place<br>• Protect from moisture<br>• Keep away from acids<br>• Store according to manufacturer's recommended temperature conditions |
| 7.3 Specific end use(s) | • For laboratory/research use only.<br>• Not for diagnostic or therapeutic use in humans or animals. |

## SECTION 8: Exposure control/personal protection

### 8.1 Control parameters

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| 8.1 Control parameters | • No specific EU occupational exposure limit identified here for the mixture as such.<br>• Follow good laboratory practice. |
| 8.2 Exposure controls | • **Appropriate engineering controls:** Use in a fume hood or in areas with good general ventilation.<br>• **Eye/face protection:** Safety glasses or chemical safety goggles<br>• **Skin protection:** Protective laboratory gloves (e.g. nitrile) and Lab coat or suitable protective clothing<br>• **Respiratory protection**: Normally not required under intended conditions of use. If dust is generated, use suitable particulate respiratory protection.<br>• **Hygiene measures:** Wash hands after handling. Remove contaminated clothing and wash before reuse.<br>• **Environmental exposure controls:** Prevent release to drains and the environment. |

## SECTION : Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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| Physical state | Solid, powder |
| Colour | White |
| Odour | Odorless |
| Melting/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-ignition temp. | Not available |
| Decomposition temp. | Not available |
| pH | Not available |
| Kinematic viscosity | Not available |
| Solubility | Freely soluble in water |
| Partition coeff. n-octanol/water (log value) | Not available |
| Vapour pressure | Not available |
| Density or rel. density | Not available |
| Relative vapour density | Not available |
| Particle characteristics | Not available |

### 9.2 Other Information

Not expected to meet the criteria for classification as explosive or oxidising

## SECTION 10: Stability and reactivity

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|---|---|
| 10.1 Reactivity | • Not availabe |
| 10.2 Chemical stability | • Stable under ambient conditions |
| 10.3 ossibility of hazardous reactions | • Not available |
| 10.4 Conditions to avoid | • Avoid storage at temperatures above 25 °C. |
| 10.5 Incompatible materials | • Not available |
| 10.6 Hazardous decomposition products | • Not available |

## SECTION 11: Toxicological information

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

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|---|---|
| Acute toxicity | • Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | • Based on available data, the classification criteria are not met. |
| Serious eye damage/irritation | • Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | • Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | • Based on available data, the classification criteria are not met. |
| Carcinogenicity | • Based on available data, the classification criteria are not met. |
| Reproductive toxicity | • Based on available data, the classification criteria are not met. |
| STOT-single exposure | • Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | • Based on available data, the classification criteria are not met. |
| Aspiration hazard | • Not applicable to solid lyophilised mixture. |

### 11.2 Information on likely routes of exposure

Inhalation of dust, ingestion, skin contact, eye contact

### 11.3 Symptoms related to physical, chemical and toxicological characteristics

Possible irritation.

## SECTION 12: Ecological information

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| 12.1 Toxicity | • No ingredient classified as toxic. |
| 12.2 Persistence and degradability | • Not available |
| 12.3 Bioaccumulative potential | • Not available |
| 12.4 Mobility in soil | • Not available |
| 12.5 Results of PBT and vPvB assessment | • No ingredient classified as PBT or vPvB. |
| 12.6 Endocrine disrupting properties | • No ingredient classified for endocrine disrupting properties. |
| 12.7 Other adverse effects | • Not classified as hazardous to the ozone layer. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local, regional, national, and international regulations.

## SECTION 14: Transport information

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| 14.1 UN Number | • Not classified as dangerous goods for transport. |
| 14.2 UN proper shipping name | • Not regulated as dangerous goods based on current draft assessment. |
| 14.3 Transport hazard class(es) | • Not assigned |
| 14.4 Packing group | • Not assigned |
| 14.5 Environmental hazards | • Not regulated as dangerous goods |
| 14.6 Special precautions for user | • Not available |
| 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

This Safety Data Sheet has been prepared in accordance with applicable requirements of Regulation (EC) No 1907/2006 (REACH), as amended, and Regulation (EC) No 1272/2008 (CLP), as amended.

Further national regulations may apply.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other info

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| 16.1 Revisions | This version 1.0 is formatted according to EU Regulation 2020/878. |
| 16.2 References | Search for chemicals; available at the European Chemicals Agency website: http://echa.europa.eu/. |
| 16.3 Basis of classification | The mixture is classified on the basis of available information on the ingredients. |
| 16.4 List of hazard statements | - |

### Additional information

This product is supplied as a lyophilized mixture and is intended to be reconstituted with water before use.
This product is **not intended for diagnostic or therapeutic use in humans or animals**.

Disclaimer: The above information is believed to be correct but is only to be used as a guide for experienced personnel. Proteintech Group, Inc. shall not
be liable for any damage resulting from the handling of or contact with the above product.

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