



Purified form of human Fc IgM anti-Borrelia Afzelii

BCD-94-BOR-M-C2-PU

❖ Section 1: Identification

• 1.1 Product identification

Product Name: Purified form of human Fc IgM anti-Borrelia Afzelii

Product code: BCD-94-BOR-M-C2

• 1.2 Identified uses

Relevant identified uses:

For research or further manufacturing use only

Uses advised against:

Not for consumer use

• 1.3 Manufacturer/Supplier:

B Cell Design – 850 boulevard Sébastien Brant - Bioparc II c/o Inoviem Scientific - 67400 Illkirch-Graffenstaden - France

contact@b-cell-design.com

• 1.4 Emergency Phone:

0033-972 – 569 - 499 (Working hours)

❖ Section 2: Hazard(s) identification

• 2.1 Classification per Regulation (EC) N° 1272/2008

Not applicable

• 2.2 Label elements

Hazard pictogram(s): not applicable

• 2.3 Other hazards

This product contains chemically and/or physically inactivated biological agents and should be considered potentially infectious. The 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

Water: EG no.: 231-791-2; CAS no.: 7732-18-5; Classification (Regulation (EC) No. 1272/2008): -

Tris Hydrochloride: EC no.: 214-684-5; CAS no.: 1185-53-1; Classification (Regulation (EC) No. 1272/2008):-

Glycine: EC no.: 200-272-2; CAS no.: 56-40-6; Classification (Regulation (EC) No. 1272/2008):-

Trehalose: EC no.: 202-739-6; CAS no.: 6138-23-4; Classification (Regulation (EC) No. 1272/2008):-

Sodium chloride: EC no.: 231-598-3; CAS no.: 7647-14-5; Classification (Regulation (EC) No. 1272/2008):-

Sodium azide: EG no.: 247-852-1 CAS no.: 26628-22-8 Classification (Regulation (EC) No. 1272/2008): - Classification (Regulation (EC) No. 1907/2006, "REACH" article 5): -

❖ Section 4: First-aid measures

Skin contact: Rinse with plenty of water. Consult a physician if necessary.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Consult a physician if necessary.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to physician: Treat symptomatically



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❖ Section 5: Fire-fighting measures

- **5.1 Extinguishing media**

Suitable Extinguishing Media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media: No information available.

5.2 Special hazards arising from the substance or mixture: Not Known

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

5.3 Advice for fire-fighters Standard procedure for chemical fires

❖ Section 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more details.

- **6.2 Environmental precautions**

No special environmental precautions required. Avoid discharge into drains and waterways whenever possible

- **6.3 Methods and material for containment and cleaning up**

Soak up with inert absorbent material

❖ Section 7: Handling and storage

- **7.1 Precautions for safe handling**

Use personal protective equipment as required. Handle with care. Protect from contamination.

Keep in a dry and well-ventilated place, between +2°C and + 8°C.

- **7.2 Conditions for safe storage:**

Keep in properly labelled containers.

- **7.3 Specific end use: For research or further manufacturing use only**

❖ Section 8: Exposure controls/personal protection

- **8.1 Engineering measures:**

Ensure adequate ventilation, especially in confined areas.

- **8.2 Exposure controls**

Personal protection equipment

Respiratory protection: In case of insufficient ventilation, wear respirators and components tested and approved under appropriate government standards

Hand protection: Wear suitable gloves
Glove material: Compatible chemical resistant gloves

Eye protection:safety glasses

Skin and body protection: Wear suitable protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: No special environmental precautions required



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❖ Section 9: Physical and chemical properties

- **9.1 Physical and chemical properties**

Appearance: Liquid
Odour: no available data
pH: no available data
Boiling point: ~100°C
Flash point: no available data
Evaporation rate: no available data
Vapour pressure: >1
Relative density: no available data
Viscosity: no available data
Explosive properties: no available data

- **9.2 Other information:**

No other relevant information available.

❖ Section 10: Stability and reactivity lists

- **10.1 Reactivity:**

None known

- **10.2 Stability:**

Stable under recommended storage conditions

- **10.3 Possibility of hazardous reactions:**

no available data

- **10.4 Conditions to Avoid:**

Contaminated environment

- **10.5 Incompatible materials:**

no available data

- **10.6 Hazardous decomposition products:**

No available data

❖ Section 11: Toxicological information

- **11.1 Toxicological effects**

Acute toxicity: no available data

LD/LC 50 value: no available data

Sensitization: no available data

Potential Health Effects:

Skin: no available data

Eyes: no available data

Ingestion: no available data

CMR effects: no available data

- **11.2 Other information:**

Quantitative data on the toxicity of this product are not available.

❖ Section 12: Ecological information

- **12.1 Toxicity:**

No information available.

- **12.2 Persistence and degradability:**

No available data

- **12.3 Bioaccumulation potential:**

No available data

- **12.4 Mobility in soil:**

No available data

- **12.5 Results of PBT and vPvB assessment**

There is no PBT/vPvB assessment available because no chemical safety assessment is required/was conducted.



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- **12.6 Other adverse effects**

No available data.

Additional ecological information

Discharge into the environment must be avoided.

❖ Section 13: Disposal considerations

Waste treatment methods:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

❖ Section 14: Transport information

- **14.1 IATA / ADR / DOT-US / IMDG:**

Not classified as dangerous in the meaning of transport regulations.

- **14.2 UN Number:**

Not applicable

UN proper shipping name: Not applicable

- **14.3 Transport hazard class:**

Not applicable

- **14.4 Packing group:**

Not applicable

- **14.5 Environmental Hazards:**

No

- **14.6 Special precautions for user:**

No

- **14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code:**

Not relevant

❖ Section 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Substances of Very High Concern: None

Restricted substances under EC 1907/2006 Annex XVII: None

Substances listed under Annex I of Regulation (EC) No 689/2008: None

Restricted substances under Annex V of Regulations (EC) N° 689/2008: None

Substances under Regulation (EC) N° 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC: None

- **15.2 Chemical safety assessment:**

No chemical safety assessment has been carried out

❖ Section 16: Other information

❖ Last modification: May 2023

❖ The information in this document 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. B Cell Design and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the described product.