



## Hybrid Sera immunoglobulin

### ❖ Section 1: Identification

#### • 1.1 Product identification

Product Name: Hybrid Sera immunoglobulin (IgA, IgE, IgG or IgM)

#### • 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 bd Sebastien Brant – Bioparc II  
c/o Inoviem Scientific – 67400 Illkirch-Graffenstaden - France

#### • 1.4 Emergency Phone:

### ❖ 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

#### 3.2 Mixture

##### **2-Mercaptoethanol (< 0.001 %)**

EG no.: 200-464-6; CAS no.: 60-24-2

##### **Classification (Regulation (EC) No. 1272/2008):**

Fatal in contact with skin, Category 1, H310

Toxic if inhaled, Category 3, H331

Toxic if swallowed, Category 3, H301

Causes skin irritation, Category 2, H315

Causes serious eye damage, Category 1, H318

May cause an allergic skin reaction, Category 1, H317

May cause damage to organs through prolonged or repeated exposure, Category 2, H373

Very toxic to aquatic life, Category 1, H400

Very toxic to aquatic life with long lasting effects, Category 1, H410

##### **Penicillin/Streptomycin (1.0 %)**

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Causes skin irritation, Category 2, H315

Causes serious eye irritation, Category 2, H319

May cause an allergic skin reaction, Category 1, H317

May cause respiratory irritation, Category 3, H335

##### **ProClin 300 (0.1 %)**

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Toxic in contact with skin, Category 3, H311

Toxic if inhaled, Category 3, H331

Toxic if swallowed, Category 3, H301

Causes severe skin burns and eye damage, Category 1B, H314

May cause an allergic skin reaction, Category 1, H317

Very toxic to aquatic life, Category 1, H400

Very toxic to aquatic life with long lasting effects, Category 1, H410

##### **ProClin 950 (0.15 %)**

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Toxic if inhaled, Category 3, H331

Harmful if swallowed, Category 4, H302

Causes severe skin burns and eye damage, Category 1B, H314

May cause an allergic skin reaction, Category 1, H317

May cause respiratory irritation, Category 3, H335

Very toxic to aquatic life, Category 1, H400



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### ❖ 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

### ❖ Section 5: Fire-fighting measures

#### • 5.1 Extinguishing media

Suitable Extinguishing Media Water spray. Carbon dioxide (CO<sub>2</sub>). 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

### ❖ 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



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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 Toxological 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.

- **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 according to 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**

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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.