HUMAN COAGULATION FACTOR VIII CONCENTRATE BRP

Safety Data Sheet


Date of issue: 27/06/2013  Revision date: 27/06/2013  Supersedes: 22/03/2007  Version: 8.0

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

1.1. Product identifier

| Product form | Substance |
| Trade name | HUMAN COAGULATION FACTOR VIII CONCENTRATE BRP |
| EC no | 232-593-9 |
| CAS No | 9001-27-8 |
| Product code | H0920000 |

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

1.2.1. Relevant identified uses

Main use category: The product is intended for research, analysis and scientific education.
Use of the substance/mixture: For professional use only
Function or use category: Laboratory chemicals

1.2.2. Uses advised against

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification: Exposure may produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMAN COAGULATION FACTOR VIII CONCENTRATE BRP (Main constituent)</td>
<td>(CAS No)9001-27-8 (EC no)232-593-9</td>
<td>≤ 100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMAN COAGULATION FACTOR VIII CONCENTRATE BRP (Main constituent)</td>
<td>(CAS No)9001-27-8 (EC no)232-593-9</td>
<td>≤ 100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
Full text of R-, H- and EUH-phrases: see section 16

3.2 Mixture
Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures
First-aid measures after inhalation : Move to fresh air.
First-aid measures after skin contact : Rinse with water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries : None known.

4.3 Indication of any immediate medical attention and special treatment needed
In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media : Small amounts: Use extinguishing media appropriate for surrounding fire. Large amounts: Not applicable.

5.2 Special hazards arising from the substance or mixture
No additional information available

5.3 Advice for firefighters
Precautionary measures fire : Small amounts: Use normal individual fire protective equipment. Large amounts: Not applicable.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
General measures : Avoid raising dust. Avoid all unnecessary exposure. Large amounts: Not applicable.

6.1.1 For non-emergency personnel
No additional information available

6.1.2 For emergency responders
No additional information available

6.2 Environmental precautions
No additional information available

6.3 Methods and material for containment and cleaning up
Methods for cleaning up : Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Clean thoroughly.

6.4 Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Precautions for safe handling : Avoid all unnecessary exposure.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions : To guarantee the quality and properties of the product, keep : dry, Keep in a cool, well-ventilated place away from heat. Store in original container.
Incompatible products : Strong oxidizing agents.

7.3 Specific end use(s)
See Heading 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No additional information available

8.2 Exposure controls
No additional information available
### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>lyophilisate.</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

Small amounts: None known. Large amounts: Not applicable.

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

Small amounts: None under normal use. Large amounts: Not applicable.

#### 10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Large amounts: Not applicable.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
HUMAN COAGULATION FACTOR VIII CONCENTRATE BRP

Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : To our knowledge, the product does not present any particular risk, under normal conditions of use. Large amounts: Not applicable.

### SECTION 12: Ecological information

#### 12.1. Toxicity
Ecology - general : Small amounts: Presents no specific risk for the environment. Large amounts: Not applicable.

#### 12.2. Persistence and degradability
No additional information available

#### 12.3. Bioaccumulative potential
No additional information available

#### 12.4. Mobility in soil
No additional information available

#### 12.5. Results of PBT and vPvB assessment
No additional information available

#### 12.6. Other adverse effects
No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods
No additional information available

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number
No dangerous good in sense of transport regulations

#### 14.2. UN proper shipping name
Not applicable

#### 14.3. Transport hazard class(es)
Not applicable

#### 14.4. Packing group
Not applicable

#### 14.5. Environmental hazards
Other information : No supplementary information available.

#### 14.6. Special precautions for user

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.6.1. Overland transport</td>
<td>No additional information available</td>
</tr>
<tr>
<td>14.6.2. Transport by sea</td>
<td>No additional information available</td>
</tr>
<tr>
<td>14.6.3. Air transport</td>
<td>No additional information available</td>
</tr>
<tr>
<td>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1.1. EU-Regulations</td>
<td>No REACH Annex XVII restrictions</td>
</tr>
</tbody>
</table>

#### 15.2. National regulations
No additional information available
15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.