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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Chemical type</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>BARCROFT™ Al Hyd Dried Gel (All Grades)</td>
</tr>
<tr>
<td>EC no</td>
<td>244-492-7</td>
</tr>
<tr>
<td>CAS No.</td>
<td>21645-51-2</td>
</tr>
<tr>
<td>SDS CODE</td>
<td>E033</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

Use of the substance/preparation: Food/pharmaceutical products

1.2.2. Uses advised against

No reliable data available.

1.3. Details of the supplier of the safety data sheet

SPI Pharma
Chemin du Vallon du Maire
Septemes - France
T 33 4 91 96 36 00 - F 33 4 91 65 39 03
CBlasquez@spipharma.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

2.1.3. Adverse physicochemical, human health and environmental effects

No reliable data available.

2.2. Label elements

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

No labelling applicable

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

No labelling applicable

2.3. Other hazards

No reliable data available.

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>Aluminium Hydroxide</td>
<td>(CAS No.) 21645-51-2</td>
<td>&lt;=100</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>(EC no) 244-492-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>First-aid measures after inhalation</th>
<th>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-aid measures after skin contact</td>
<td>After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.</td>
</tr>
<tr>
<td>First-aid measures after eye contact</td>
<td>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</td>
</tr>
</tbody>
</table>
BARCROFT™ Al Hyd Dried Gel (All Grades)
Safety Data Sheet
according to Regulation (EC) No. 453/2010

First-aid measures after ingestion:
If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after skin contact: May cause skin irritation.
Symptoms/injuries after eye contact: May cause irritation to the eyes.

4.3. Indication of any immediate medical attention and special treatment needed
No reliable data available.

SECTION 5: firefighting measures
5.1. Extinguishing media
Suitable extinguishing media: carbon dioxide (CO2), water, dry chemical powder.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Not combustible. minimal fire hazard.
Reactivity: Combustion generates: carbon oxides.

5.3. Advice for firefighters
Firefighting instructions: In case of fire: Wear self-contained breathing apparatus. Wear proper protective equipment.
Protective equipment for firefighters: Refer to section 8.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment: Refer to section 8.

6.1.2. For emergency responders
Protective equipment: Wear suitable protective clothing, gloves and eye/face protection. Refer to section 8.

6.2. Environmental precautions
Prevent entry to sewers and public waters.

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.

6.4. Reference to other sections
No reliable data available.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Avoid contact with skin, eyes and clothing. avoid breathing dust. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities
Storage condition(s): Keep container tightly closed. Store container in a well ventilated position.

7.3. Specific end use(s)
No reliable data available.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>TRGS 900 Occupational exposure limit value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>1.5 mg/m³ (fraction respirable)</td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Engineering controls are not usually necessary if good hygiene practices are followed.

Personal protective equipment: Safety glasses. Gloves.

Materials for protective clothing: Wear suitable protective clothing. Wear long sleeves.
**Hand protection**: Wear protective gloves.
**Eye protection**: safety glasses with side-shields.
**Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment.

### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>granular, Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>white</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>5.5-8</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Solidification 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>Relat. evapor. rate comp. to butylacetate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</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>insoluble in water</td>
</tr>
<tr>
<td>Log Pow</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>Viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No reliable data available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Combustion generates: carbon oxides.

#### 10.2. Chemical stability

Stable at normal conditions.

#### 10.3. Possibility of hazardous reactions

No reliable data available.

#### 10.4. Conditions to avoid

Keep away from (strong) acids.

#### 10.5. Incompatible materials

Acids.

#### 10.6. Hazardous decomposition products

Aluminium oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>BARCROFT™ Al Hyd Dried Gel (All Grades) (21645-51-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

No reliable data available.

#### 12.2. Persistence and degradability

No reliable data available.

#### 12.3. Bioaccumulative potential

No reliable data available.
12.4. Mobility in soil
No reliable data available.

12.5. Results of PBT and vPvB assessment
No reliable data available.

12.6. Other adverse effects
No reliable data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Regional legislation (waste) : Disposal must be done according to official regulations.
Additional information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information
Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No reliable data available.

15.1.2. National regulations
No reliable data available.

15.2. Chemical safety assessment
No reliable data available.

SECTION 16: Other information

Sources of Key data : SDS.

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.