Aluminum Hydroxide Gels
Safety Data Sheet
according to Regulation (EC) No. 453/2010
Date of issue: 20/12/2010
Revision date: 10/05/2011
Version: 0.2

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

1.1. Product identifier
Chemical type : Substance
Name : BARCROFT™ Aluminum Hydroxide Wet Gel LV (All Grades)
       ALUMINIUM HYDROXIDE WET GEL Type: HYPER (All Grades)
       Aluminium Hydroxide Wet Gel Type: VISCO (All Grades)
EC no : 215-670-1
CAS No. : 1339-92-0
SDS CODE : E047

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 additional information 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
USA
Phone: 302-360-7200

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 additional information 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 additional information 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>Aluminum hydroxycarbonate</td>
<td>(CAS No.) 1339-92-0</td>
<td>Proprietary</td>
<td>Not classified</td>
</tr>
<tr>
<td>(Main constituent)</td>
<td>(EC no) 215-670-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum Hydroxide</td>
<td>(CAS No.) 21645-51-2</td>
<td>Proprietary</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

| First-aid measures after inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. |
| First-aid measures after eye contact | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| First-aid measures after ingestion | Do not induce vomiting. Seek medical advice (show the label where possible). |

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

| Symptoms/injuries after skin contact | Can occur: skin irritation. |
| Symptoms/injuries after eye contact | Causes serious eye irritation. |

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

No additional information 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.

#### 5.3. Advice for firefighters

Protective equipment for firefighters: Extra personal protection: complete protective clothing including self-contained breathing apparatus. Refer to section 8.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel**: Refer to section 8.
- **For emergency responders**: 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: Do not empty into drains or the aquatic environment. Sweep or shovel spills into appropriate container for disposal. Flush residue with large amounts of water.

#### 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 contact with skin, eye and clothing. Wash hands thoroughly after handling. Refer to section 8.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage condition(s): Keep container tightly closed. Store in well ventilated area.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls: Engineering controls are not usually necessary if good hygiene practices are followed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
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Personal protective equipment : Gloves. Safety glasses.
Hand protection : protective gloves.
Eye protection : safety glasses with side-shields.
Skin and body protection : Wear long sleeves. Wear suitable protective clothing.
Respiratory protection : In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

| Physical state | Solid |
| Appearance | Gel |
| Colour | white |
| Odour | No data available |
| Odour threshold | No data available |
| pH | 6 |
| Melting point | No data available |
| Solidification point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Relat. evapor. rate comp. to butylacetate | No data available |
| Flammability (solid, gas) | No data available |
| Explosive limits | No data available |
| Vapour pressure | No data available |
| Relative vapour density at 20 °C | No data available |
| Relative density | No data available |
| Solubility | insoluble in water |
| Log Pow | No data available |
| Self ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity

10.2. Chemical stability
Stable at normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Keep away from acids.

10.5. Incompatible materials
acids.

10.6. Hazardous decomposition products
Aluminium oxides. carbon oxides.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Aluminium Hydroxide (21645-51-2)
LD50 oral rat > 5000 mg/kg
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SECTION 12: Ecological information
12.1. Toxicity
No additional information available

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
Regional legislation (waste) : Disposal must be done according to official 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 additional information available

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No additional information 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.