

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Doc. N° 411031 rev.0  
Date of issue 07/05/2015  
Revision Date 07/05/2015

---

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name: **AGAR HIGH GEL STRENGTH**  
Product Number: **411031**

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

Identified uses: Purified agar for bacteriology: recommended concentration  
11-13 g/l

**1.3 Details of the supplier of the safety data sheet**

Company : Biolife Italiana S.r.l.  
Viale Monza 272, 20128 Milano Italia  
Tel : 0039 02 252091  
Fax: 0039 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it)

**1.4 Emergency telephone number**

Emergency Phone # Italy :0039 02-6610-1029 (Centro Antiveleni Niguarda Ca'  
Granda - Milano)  
Other countries: refer to local Anti-Poison Centre

---

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to  
Regulation (EC) No 1272/2008  
Not a hazardous substance or mixture according to EC-  
directives 67/548/EEC or 1999/45/EC.

**2.2 Label elements** none

**2.3 Other hazards -** none

Restricted to professional users

---

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Agar Agar  
CAS N°: 9002-18-0  
EINECS: 232-658-1  
HS: 1302 31 00  
REACH (PreReg.): 05-2118376963-26-0000  
REACH REGISTRATION NUMBER: Agar-Agar is a natural polymer and as such exempt from REACH  
registration (Annex V)  
RTECS: AW7950000

---

**SECTION 4: First aid measures****4.1 Description of first aid measures**



|                                |  |
|--------------------------------|--|
| <b>If inhaled</b>              | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Obtain medical attention. |
| <b>In case of skin contact</b> | Wash off with soap and plenty of water. Obtain medical attention.  |
| <b>In case of eye contact</b>  | Flush eyes with water as a precaution. Obtain medical attention.   |
| <b>If swallowed</b>            | Never give anything by mouth to an unconscious person. Rinse mouth with water. Obtain medical attention.             |

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

---

### **SECTION 5: Fire fighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides

#### **5.3 Advice for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

no data available

---

### **SECTION 6: Accidental release measures**

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

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not let product enter drains.

#### **6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### **6.4 Reference to other sections**

For disposal see section 13.

---

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Hygroscopic.

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

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

It doesn't contain substances with occupational exposure limit value.

### 8.2 Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| a) Appearance Form:                             | powder                     |
| b) Odour  | no data available          |
| c) Odour Threshold                              | no data available          |
| d) pH   | 5.0 – 7.5 (1.5 % solution) |
| e) Melting point/freezing point                 | no data available          |
| f) Initial boiling point and boiling range      | no data available          |
| g) Flash point                                  | no data available          |
| h) Evaporation rate                             | no data available          |
| i) Flammability (solid, gas)                    | no data available          |
| j) Upper/lower flammability or explosive limits | no data available          |
| k) Vapour pressure                              | no data available          |
| l) Vapour density                               | no data available          |
| m) Relative density                             | no data available          |
| n) Water solubility                             | hot water                  |



|   |                   |
|---|-------------------|
| o) Partition coefficient: n-octanol/<br>water | no data available |
| p) Auto-ignition temperature                  | no data available |
| q) Decomposition temperature                  | no data available |
| r) Viscosity                                  | no data available |
| s) Explosive properties                       | no data available |
| t) Oxidizing properties                       | no data available |

**9.2 Other safety information** no data available

---

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** no data available

**10.2 Chemical stability** no data available

**10.3 Possibility of hazardous reactions** no data available

**10.4 Conditions to avoid** no data available

**10.5 Incompatible materials** no data available

**10.6 Hazardous decomposition products** Other decomposition products - no data available In the event of fire: see section 5

---

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitisation** no data available

**Germ cell mutagenicity** no data available

**Carcinogenicity** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** no data available

**Specific target organ toxicity - single exposure**  
no data available

**Specific target organ toxicity - repeated exposure**  
no data available

**Aspiration hazard** no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.



|  |   |
|--|---|
| <b>Eyes</b>  | May causes serious eye irritation.  |
| <b>Signs and Symptoms of Exposure</b>  | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |
| <b>Additional Information</b>  | RTECS: Not available  |
| <hr/> <b>SECTION 12: Ecological information</b>  |   |
| <b>12.1 Toxicity</b>   | no data available   |
| <b>12.2 Persistence and degradability</b>  | no data available   |
| <b>12.3 Bio accumulative potential</b>   | no data available   |
| <b>12.4 Mobility in soil</b>   | no data available   |
| <b>12.5 Results of PBT and vPvB assessment</b>   | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted                                |
| <b>12.6 Other adverse effects</b>  | no data available   |
| <hr/> <b>SECTION 13: Disposal considerations</b>   |   |
| <b>13.1 Waste treatment methods</b>  |   |
| <b>Product</b>   | Offer surplus and non-recyclable solutions to a licensed disposal company.  |
| <b>Contaminated packaging</b>  | Dispose of as unused product.   |
| <hr/> <b>SECTION 14: Transport information</b>   |   |
| <b>14.1 UN number</b>  | ADR/RID: - IMDG: - IATA: -  |
| <b>14.2 UN proper shipping name</b>  | ADR/RID: Not dangerous goods<br>IMDG: Not dangerous goods<br>IATA: Not dangerous goods                                    |
| <b>14.3 Transport hazard class(es)</b>   | ADR/RID: - IMDG: - IATA: -  |
| <b>14.4 Packaging group</b>  | ADR/RID: - IMDG: - IATA: -  |
| <b>14.5 Environmental hazards</b>  | ADR/RID: no IMDG Marine pollutant: no IATA: no  |
| <b>14.6 Special precautions for user</b>   | no data available   |
| <hr/> <b>SECTION 15: Regulatory information</b>  |   |
| This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.                     |   |
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | no data available   |
| <b>15.2 Chemical Safety Assessment</b>   | For this product a chemical safety assessment was not carried out   |
| <hr/> <b>SECTION 16: Other information</b>   |   |
| <b>Restrictions on use</b>   | no data available   |
| <b>Advice</b>  | no data available   |



**Literary reference**

no data available

The above information 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 doesn't represent any guarantee of the properties of the product.

Biolife S.r.l. shall not be held liable for any damage resulting from handling or from contact with the above product

Revision Date 07/05/2015

Revision n° 0