

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 401116 rev.2  
Date of issue: 01/10/2002  
Date of revision: 02/08/2018

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name : **Baird Parker Agar Base**  
Product Number : **401116**

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

Identified uses : Laboratory chemicals, culture medium for microbiology

#### 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 : 0039 02-6610-1029 (Centro Antiveleni Niguarda Ca'  
Granda- Milano)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

Pictogram none  
Signal word none  
Hazard statement(s) none  
Precautionary statement(s) none  
Supplemental Hazard Statements none  
Caution - this mixture contains a substance not yet fully tested.

#### 2.3 Other hazards

none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

| Component                           | Classification   | Concentration |
|-------------------------------------|--|---------------|
| <b>Lithium chloride</b>             |  |               |
| CAS-No 7447-41-8<br>CE-No 231-212-3 | Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335 | < 10%         |

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Biolife** Italiana S.r.l., Viale Monza 272, 20128 Milan, Italy. Tel. n° ++39 02 25209.1, Fax n° ++39 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

|                                |  |
|--------------------------------|--|
| <b>General advice</b>          | Consult a physician. Show this safety data sheet to the doctor in attendance.                                  |
| <b>If inhaled</b>              | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician |
| <b>In case of skin contact</b> | Wash off with soap and plenty of water. Consult a physician  |
| <b>In case of eye contact</b>  | Flush eyes with water as a precaution  |
| <b>If swallowed</b>            | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician             |

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

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting., Cyanosis and t-wave inversion have occurred in the breast-fed infants of women receiving lithium carbonate therapy., Large doses of lithium ion have caused dizziness and prostration, and can cause kidney damage if sodium intake is limited. ehydration, weight loss, dermatological effects, and thyroid disturbances have been reported. Central nervous system effects that include slurred speech, blurred vision, sensory loss, ataxia, and convulsions may occur. Diarrhea, vomiting, and neuromuscular effects such as tremor, clonus, and hyperactive reflexes may occur as a result of repeated exposure to lithium ion., Lithium and its compounds are possible teratogens by analogy to lithium carbonate which has equivocal human teratogenic data and positive animal teratogenic data., prolonged or repeated exposure can cause:, weight loss, slurred speech, Blurred vision, Ataxia., neuromuscular dysfunction, Tremors, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

no data available

---

### **5. FIREFIGHTING 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, nitrogen oxides (NOx), Hydrogen chloride gas, Sodium oxides, Lithium oxides.

#### **5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

no data available

---

### **6. ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

---

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

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

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

**7.3 Specific end uses**

No data available apart from the uses mentioned in section 1.2.

---

**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**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields conforming to EN166 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).

---

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

|   |  |
|---|--|
| a) Appearance                                   | powder<br>white                        |
| b) Odour  | no data available                      |
| c) Odour Threshold                              | no data available                      |
| d) pH   | 6.8 – 7.2 at 25°C at use concentration |
| 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                             | no data available                      |
| o) Partition coefficient: noctanol/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

---

**10. STABILITY AND REACTIVITY**

|  |                                |
|--|--------------------------------|
| <b>10.1 Reactivity</b>                         | no data available              |
| <b>10.2 Chemical stability</b>                 | no data available              |
| <b>10.3 Possibility of hazardous reactions</b> | no data available              |
| <b>10.4 Conditions to avoid</b>                | Exposure to moisture           |
| <b>10.5 Incompatible materials</b>             | Strong acids, oxidizing agents |
| <b>10.6 Hazardous decomposition products</b>   | no data available              |

---

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

**Acute toxicity** no data available

**Skin corrosion/irritation** no data available

**Biolife** Italiana S.r.l., Viale Monza 272, 20128 Milan, Italy. Tel. n° ++39 02 25209.1, Fax n° ++39 02 2576428

E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

|   |   |
|---|---|
| <b>Serious eye damage/eye irritation</b>                  | no data available   |
| <b>Respiratory or skin sensitization</b>                  | no data available   |
| <b>Germ cell mutagenicity</b>                             | no data available   |
| <b>Carcinogenicity</b>                                    | 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.   |
| <b>Reproductive toxicity</b>                              | no data available   |
| <b>Specific target organ toxicity - single exposure</b>   | no data available   |
| <b>Specific target organ toxicity - repeated exposure</b> | no data available   |
| <b>Aspiration hazard</b>                                  | no data available   |
| <b>Potential health effects</b>                           |   |
| <b>Inhalation</b>   | May be harmful if inhaled. Causes respiratory tract irritation.   |
| <b>Ingestion</b>  | Harmful if swallowed.   |
| <b>Skin</b>   | May be harmful if absorbed through skin. Causes skin irritation.  |
| <b>Eyes</b>   | Causes serious eye irritation.  |
| <b>Signs and Symptoms of Exposure</b>                     | Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting., Cyanosis and t-wave inversion have occurred in the breast-fed infants of women receiving lithium carbonate therapy., Large doses of lithium ion have caused dizziness and prostration, and can cause kidney damage if sodium intake is limited. Dehydration, weight loss, dermatological effects, and thyroid disturbances have been reported. Central nervous system effects that include slurred speech, blurred vision, sensory loss, ataxia, and convulsions may occur. Diarrhea, vomiting, and neuromuscular effects such as tremor, clonus, and hyperactive reflexes may occur as a result of repeated exposure to lithium ion., Lithium and its compounds are possible teratogens by analogy to lithium carbonate which has equivocal human teratogenic data and positive animal teratogenic data., prolonged or repeated exposure can cause:, weight loss, slurred speech, Blurred vision, Ataxia., neuromuscular dysfunction, Tremors, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |
| <b>Additional Information</b>                             | RTECS: no data available  |

---

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity** no data available

**Biolife** Italiana S.r.l., Viale Monza 272, 20128 Milan, Italy. Tel. n° ++39 02 25209.1, Fax n° ++39 02 2576428  
 E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

|  |                   |
|--|-------------------|
| <b>12.2 Persistence and degradability</b>      | no data available |
| <b>12.3 Bioaccumulative 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> | no data available |
| <b>12.6 Other adverse effects</b>              | no data available |

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

|                               |  |
|-------------------------------|--|
| <b>Product</b>                | Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. |
| <b>Contaminated packaging</b> | Dispose of as unused product.  |

### 14. TRANSPORT INFORMATION

|  |  |
|--|--|
| <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  |

### 15. REGULATORY INFORMATION

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>   | no data available |

### 16. OTHER INFORMATION

#### Text of H-code(s) mentioned in Section 3

|             |  |
|-------------|--|
| Acute Tox.  | Acute toxicity                                   |
| Eye Irrit.  | Eye irritation                                   |
| H302        | Harmful if swallowed.                            |
| H315        | Causes skin irritation.                          |
| H319        | Causes serious eye irritation.                   |
| H335        | May cause respiratory irritation.                |
| Skin Irrit. | Skin irritation                                  |
| STOT SE     | Specific target organ toxicity - single exposure |

#### Further information

**Restrictions for use** No data available

**Training advice** No data available

**References** No data available

The information in this MSDS was obtained from current and reliable sources. Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation. Biolife Italiana S.r.l. does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.