

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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

### 1.1 Product identifier

|                                |   |
|--------------------------------|---|
| Trade name/designation:        | LB-Agar (Miller)  |
| Product No.:                   | A167SAC5  |
| CAS No.:                       | Not applicable  |
| Index No.:                     | Not applicable  |
| EU REACH No.:                  | This product is a mixture. See section 3 for EU REACH registration numbers when applicable. |
| Other means of identification: | none  |

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

|                           |  |
|---------------------------|--|
| Relevant identified uses: | General chemical reagent   |
| Uses advised against:     | The product, as such or as a component of a mixture, is not intended to be used by consumers (as defined by the REACH Regulation). |

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

*United Kingdom*

#### ***VWR International Ltd.***

|                           |                              |
|---------------------------|------------------------------|
| Street                    | Hunter Boulevard, Magna Park |
| Postal code/City          | Lutterworth, LE17 4XN, UK    |
| Telephone                 | 0800 22 33 44                |
| Telefax                   | 01455 55 85 86               |
| E-mail (competent person) | SDS@avantorsciences.com      |

### 1.4 Emergency phone number

|           |                                  |
|-----------|----------------------------------|
| Telephone | +44 (0) 1270 502894 (CareChem24) |
|-----------|----------------------------------|

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## 2.2 Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

## 2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Change contaminated, saturated clothing. Wash contaminated clothing before reuse. Do not leave affected person unattended.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. Obtain medical attention if symptoms appear.

#### In case of skin contact

Gently wash with plenty of soap and water. In case of skin reactions, consult a physician.

#### After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. Obtain medical attention if symptoms appear.

#### In case of ingestion

Rinse mouth thoroughly with water. Call a doctor if you feel unwell.

#### Self-protection of the first aider

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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

No special information on medical attention and special treatment available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

ABC-powder  
Carbon dioxide (CO<sub>2</sub>).  
Dry sand  
Nitrogen

#### Extinguishing media which must not be used for safety reasons

Water spray.  
Full water jet

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

Combustible substance.  
Fire may produce irritating, corrosive and/or toxic gases.  
In case of fire may be liberated:  
Pyrolysis products, toxic

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.  
Special protective equipment for firefighters:  
Wear a self-contained breathing apparatus and chemical protective clothing.  
Co-ordinate fire-fighting measures to the fire surroundings.  
In case of fire: Evacuate area.

## SECTION 6: Accidental release measures

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

For non-emergency personnel: Remove victim out of the danger area. First Aid, decontamination, treatment of symptoms.

### 6.2 Environmental precautions

No special environmental measures are necessary.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Dispose according to local legislation.

### 6.4 Reference to other sections

Personal protection equipment: see section 8 Disposal information: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling

No special measures are necessary.

Measures to prevent fire, aerosol and dust generation

No special measures are necessary.

Measures required to protect the environment

No special measures are necessary.

Wash hands before breaks and after work. Avoid contact with eyes and skin. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

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

Recommended storage temperature: 10-30 °C

Storage class: 10-13

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

### 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

| Ingredient<br>(Designation) | Source | Country | parameter                                | Limit value         | Remark                |
|-----------------------------|--------|---------|--|---------------------|-----------------------|
| Sodium Chloride             | DNEL   | EU      | Worker, Dermal, long-term, systemic      | 295.52 mg/kg bw/day |                       |
| Sodium Chloride             | DNEL   | EU      | Worker, Dermal, short-term, systemic     | 295.52 mg/kg bw/day |                       |
| Sodium Chloride             | DNEL   | EU      | Worker, Inhalation, long-term, systemic  | 2 068.62 mg/m³      |                       |
| Sodium Chloride             | DNEL   | EU      | Worker, Inhalation, short-term, systemic | 2 068.62 mg/m³      |                       |
| Sodium Chloride             | PNEC   | EU      | aquatic, freshwater                      | 5 mg/l              | Assessment factor: 50 |
| Sodium Chloride             | PNEC   | EU      | freshwater - intermittent                | 19 mg/l             |                       |
| Sodium Chloride             | PNEC   | EU      | Sewage treatment plant                   | 500 mg/l            |                       |
| Sodium Chloride             | PNEC   | EU      | soil                                     | 4.86 mg/kg          | soil dw               |

#### Recommended monitoring procedures:

European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)

European Standard EN 482 (Workplace exposure. Procedures for the determination of the concentration of chemical agents - Basic performance requirements)

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

### 8.2.2 Personal protection equipment

Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

#### *Eye/face protection*

Eye glasses with side protection DIN-/EN-Norms EN 166

Recommendation: VWR 111-0432

#### *Skin protection*

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Recommended glove articles DIN-/EN-Norms EN ISO 374 In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### By short-term hand contact

|                                  |                      |
|----------------------------------|----------------------|
| Suitable material:               | NBR (Nitrile rubber) |
| Thickness of the glove material: | 0,12 mm              |
| Breakthrough time:               | > 480 min            |
| Recommended glove articles:      | VWR 112-0998         |

#### By long-term hand contact

#### *Respiratory protection*

Usually no personal respirative protection necessary.

|  |                   |
|--|-------------------|
| Suitable respiratory protection apparatus: | no data available |
| Recommendation:                            | no data available |
| Suitable material:                         | no data available |
| Recommendation:                            | no data available |

#### *Additional information*

Wash hands before breaks and after work. Avoid contact with eyes and skin. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

### 8.2.3 Environmental exposure controls

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                 |                   |
|-----------------|-------------------|
| Physical state: | solid             |
| Colour:         | yellow            |
| Odour:          | no data available |

#### Safety relevant basic data

|  |                           |
|--|---------------------------|
| pH:                                      | 7.2 (40 g/l. 25 °C) ± 0.2 |
| Melting point/freezing point:            | no data available         |
| Initial boiling point and boiling range: | no data available         |
| Flash point:                             | no data available         |
| Flammability:                            | Not applicable            |
| Lower and upper explosion limit          |                           |
| Lower explosion limit:                   | no data available         |
| Upper explosion limit:                   | no data available         |
| Vapour pressure:                         | no data available         |
| Relative vapour density:                 | no data available         |
| Density and/or relative density          |                           |
| Density:                                 | no data available         |
| Solubility(ies)                          |                           |
| Water solubility:                        | no data available         |
| Partition coefficient: n-octanol/water:  | no data available         |
| Auto-ignition temperature:               | no data available         |
| Decomposition temperature:               | Not applicable            |
| Viscosity                                |                           |
| Kinematic viscosity:                     | no data available         |
| Dynamic viscosity:                       | no data available         |
| Particle characteristics:                | no nanoform               |

### 9.2 Other information

|                        |                   |
|------------------------|-------------------|
| Evaporation rate:      | no data available |
| Explosive properties:  | no data available |
| Oxidising properties:  | Not applicable    |
| Bulk density:          | no data available |
| Refraction index:      | no data available |
| Dissociation constant: | no data available |
| Surface tension:       | no data available |
| Henry's Law Constant:  | no data available |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is non-reactive under normal conditions.

## 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

## 10.3 Possibility of hazardous reactions

No further relevant information available.

## 10.4 Conditions to avoid

No further relevant information available.

## 10.5 Incompatible materials:

No further relevant information available.

## 10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute effects

##### *Acute oral toxicity:*

Based on available data, the classification criteria are not met.

##### *Acute dermal toxicity:*

Based on available data, the classification criteria are not met.

##### *Acute inhalation toxicity:*

Based on available data, the classification criteria are not met.

#### Irritant and corrosive effects:

##### *Primary irritation to the skin:*

Not applicable

##### *Irritation to eyes:*

Not applicable

##### *Irritation to respiratory tract:*

Not applicable

**Respiratory or skin sensitisation**

In case of skin contact: not sensitising

After inhalation: not sensitising

**STOT-single exposure**

Not applicable

**STOT-repeated exposure**

Not applicable

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Carcinogenicity**

No indication of human carcinogenicity.

**Germ cell mutagenicity**

No indications of human germ cell mutagenicity exist.

**Reproductive toxicity**

No indications of human reproductive toxicity exist.

**Aspiration hazard**

Not applicable

**Other adverse effects**

no data available

**Additional information**

no data available

## 11.2 Information on other hazards

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Fish toxicity:**

no data available

**Daphnia toxicity:**

no data available

**Algae toxicity:**

no data available

**Bacteria toxicity:**

no data available

## **12.2 Persistence and degradability**

no data available

## **12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water: no data available

## **12.4 Mobility in soil:**

no data available

## **12.5 Results of PBT/vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## **12.6 Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to the environment.

## **12.7 Other adverse effects**

no data available

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Appropriate disposal / Product**

Dispose according to local legislation. Consult the appropriate local waste disposal expert about waste disposal. Waste requires monitoring.

Waste code product: no data available

#### **Appropriate disposal / Package**

Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

#### **Additional information**

European waste management legislation  
Directive 2008/98/EC (Waste Framework Directive)

National waste management legislation  
The Waste (England & Wales) Regulations 2011  
Hazardous Waste (England & Wales) Regulations 2005

## SECTION 14: Transport information

### Land transport (ADR/RID)

|      |                               |  |
|------|-------------------------------|--|
| 14.1 | UN number or ID number:       | No dangerous good in sense of this transport regulation. |
| 14.2 | UN proper shipping name:      | not assigned   |
| 14.3 | Transport hazard class(es):   | none   |
| 14.4 | Packing group:                | not assigned   |
| 14.5 | Environmental hazards:        | none   |
| 14.6 | Special precautions for user: | none   |

### Sea transport (IMDG)

|      |   |  |
|------|---|--|
| 14.1 | UN number or ID number:                                 | No dangerous good in sense of this transport regulation. |
| 14.2 | UN proper shipping name:                                | not assigned   |
| 14.3 | Transport hazard class(es):                             | none   |
| 14.4 | Packing group:  | not assigned   |
| 14.5 | Environmental hazards:                                  | none   |
| 14.6 | Special precautions for user:                           | none   |
| 14.7 | Maritime transport in bulk according to IMO instruments | not relevant   |

### Air transport (ICAO-TI / IATA-DGR)

|      |                               |  |
|------|-------------------------------|--|
| 14.1 | UN number or ID number:       | No dangerous good in sense of this transport regulation. |
| 14.2 | UN proper shipping name:      | not assigned   |
| 14.3 | Transport hazard class(es):   | none   |
| 14.4 | Packing group:                | not assigned   |
| 14.5 | Special precautions for user: | none   |

## SECTION 15: Regulatory information

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

#### EU legislation

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Text with EEA relevance)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance)
- Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

#### National regulations

-

Water hazard class: no data available

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
AGS - Committee on Hazardous Substances (Ausschuss für Gefahrstoffe)  
CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures  
DFG - German Research Foundation (Deutsche Forschungsgemeinschaft)  
DNEL - Derived No Effect Level  
Gestis - Information system on hazardous substances of the German Social Accident Insurance (Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung)  
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations  
ICAO-TI - International Civil Aviation Organization-Technical Instructions  
IMDG - International Maritime Code for Dangerous Goods  
KOSHA - Korea Occupational Safety and Health Agency  
LTV - Long Term Value  
NIOSH - National Institute for Occupational Safety and Health  
OSHA - Occupational Safety & Health Administration  
PBT - Persistent, Bioaccumulative and Toxic  
PNEC - Predicted No Effect Concentration  
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail  
STV - Short Term Value  
SVHC - Substances of Very High Concern  
vPvB - very Persistent, very Bioaccumulative

### Key literature references and sources for data

This Safety Data Sheet has been prepared based on information available for public as TOXNET information, European Chemicals Agency (ECHA) substance dossier, papers from international cancer research institutes (IARC Monographs), U.S. National Toxicology Program data, U.S. Agency for Toxic Substances and Disease Control (ATSDR), PubChem websites and SDS from our raw material manufacturers.

### Additional information

Indication of changes      Section 11

If you need an explanation of the change, contact the supplier (SDS@avantorsciences.com).

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*