

# SAFETY DATA SHEET

**BIO-RAD**

Revision date 19-Jan-2022

Revision Number 11

## 1. Identification

### Product Identifier

LB Nutrient Agar Powder

### Other means of identification

Catalog Number(s) 1660900, 1660403EDU, 1660600EDU, 1660472EDU, 1660472

### Recommended use of the chemical and restrictions on use

Recommended use

Laboratory chemicals

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

**Corporate Headquarters**  
Bio-Rad Laboratories Inc  
1000 Alfred Nobel Drive  
Hercules, CA 94547  
USA

**Manufacturer Address**  
Bio-Rad Laboratories, Life Science Group  
2000 Alfred Nobel Drive  
Hercules, California 94547  
USA

**Legal Entity / Contact Address**  
Bio-Rad Laboratories  
Life Science  
2000 Alfred Nobel Drive  
Hercules, California 94547  
USA

### Technical Service

1-800-424-6723  
support@bio-rad.com

### Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC USA: 1 (800) 424-9300

## 2. Hazard(s) Identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Hazards not otherwise classified (HNOC)**  
Not applicable

### Label elements

#### Hazard statements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Appearance

Physical state Solid

Odor Odorless

### Other information

No information available

## 3. Composition/Information on Ingredients

LB Nutrient Agar Powder

Revision date 19-Jan-2022

### Substance

Not applicable

### Mixture

Chemical name	CAS No	Weight-%	Trade secret
Sodium chloride	7647-14-5	20-35	

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

### Description of first aid measures

#### Inhalation

Remove to fresh air

#### Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

#### Skin contact

Wash skin with soap and water.

#### Ingestion

Rinse mouth.

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

#### Symptoms

No information available

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

#### Note to physicians

Treat symptomatically

## 5. Fire-fighting measures

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical  
No information available

### Explosion data

Sensitivity to mechanical impact None

Sensitivity to static discharge None

Special protective equipment and precautions for fire-fighters  
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Personal precautions  
Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so  
**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Precautions for safe handling**  
 Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.  
**Conditions for safe storage, including any incompatibilities**  
 Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure controls/personal protection**

**Control parameters**  
**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers  
 Eyewash stations  
 Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection**

No special protective equipment required.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Solid	<b>Remarks - Method</b>
<b>Appearance</b>	Powder	None known
<b>Color</b>	White	None known
<b>Odor</b>	Odorless	None known
<b>Odor threshold</b>	No information available	None known
<b>Property</b>	<b>Values</b>	
<b>pH</b>		
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	No data available	
<b>Flash point</b>	No data available	

<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	Soluble in water	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoflusion temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

**Other information**  
 Explosive properties No information available  
 Oxidizing properties No information available  
 Softening point No information available  
 Molecular weight No information available  
 VOC Content (%) No information available  
 Liquid Density No information available  
 Bulk density No information available

**10. Stability and reactivity**

<b>Reactivity</b>	No information available
<b>Chemical stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	None under normal processing
<b>Conditions to avoid</b>	None known based on information supplied
<b>Incompatible materials</b>	None known based on information supplied
<b>Hazardous decomposition products</b>	None known based on information supplied.

**11. Toxicological information**

**Information on likely routes of exposure**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available
<b>Eye contact</b>	Specific test data for the substance or mixture is not available
<b>Skin contact</b>	Specific test data for the substance or mixture is not available
<b>Ingestion</b>	Specific test data for the substance or mixture is not available

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available

**Acute toxicity**

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document A1Emkx (oral) 5,398.20 mg/kg

Component Information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium chloride 7647-14-5	= 3 g/kg ( Rat )	> 10000 mg/kg ( Rabbit )	> 42 mg/L ( Rat ) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity No information available

Reproductive toxicity No information available

STOT - single exposure No information available

STOT - repeated exposure No information available

Aspiration hazard No information available

Other adverse effects No information available

Interactive effects No information available

**12. Ecological information**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium chloride 7647-14-5		LC50: 47.47 - 7824mg/L (96h, Oncorhynchus mykiss) LC50: 5560 - 6090mg/L (96h, Lepomis macrochirus) LC50: 6020 - 7070mg/L (96h, Pimephales promelas) LC50: 6420 - 6700mg/L (96h, Pimephales promelas) LC50: =12946mg/L (96h, Lepomis macrochirus)		EC50: 340.7 - 469.2mg/L (48h, Daphnia magna) EC50: =1000mg/L (48h, Daphnia magna)

Ecotoxicity

	LC50 =7050mg/L (96h Pimephales promelas)	
--	--	--

Persistence and degradability No information available

Bioaccumulation There is no data for this product.

Other adverse effects No information available

**13. Disposal considerations**

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

**14. Transport information**

DOT Not regulated

TDG Not regulated

MEG Not regulated

IATA Not regulated

IMDG Not regulated

**15. Regulatory information**

International inventories

Contact supplier for inventory compliance status

US Federal Regulations

**SARA 313**  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**  
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CMA (Clean Water Act)**  
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**  
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

LB Nutrient Agar Powder

Revision date 19-Jan-2022

# SAFETY DATA SHEET

**BIO-RAD**

Revision Number 1

Revision date 24-Feb-2021

## 1. Identification

**Product identifier**

Ampicillin, lyophilized

**Product Name**

**Other means of identification**

1660407, 1660407EDU, 9702828

**Catalog Number(s)**

Recommended use of the chemical and restrictions on use.

Laboratory chemicals

**Recommended use**

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

<b>Corporate Headquarters</b> Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA	<b>Manufacturer Address</b> Bio-Rad Laboratories, Life Science Group 2000 Alfred Nobel Drive Hercules, California 94547 USA	<b>Legal Entity / Contact Address</b> Bio-Rad Laboratories Life Science 2000 Alfred Nobel Drive Hercules, California 94547
--	---	--

**Technical Service** 1-800-424-6723

support@bio-rad.com

**Emergency telephone number**

24 Hour Emergency Phone Number CHEMTREC USA: 1 (800) 424-9300

## 2. Hazard(s) identification

**Classification**

Respiratory sensitization

Skin sensitization

Hazards not otherwise classified (HNOC)

Not applicable

**Label elements**

**Danger**

**Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction



Appearance crystalline

Physical state Solid

Odor Odorless

## 16. Other information

<b>NFPA</b>	Health hazards 0	Flammability 0	Instability 0	Special hazards -
<b>HMS</b>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL (Short Term Exposure Limit)

STEL Skin designation

**Key literature references and sources for data used to compile the SDS**

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AELGL(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- National Institute of Technology and Evaluation (NITE)
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Library of Medicine's PubMed database (NLM PUBMED)
- National Toxicology Program (NTP)
- New Zealand's Chemical Classification and Information Database (CCID)
- Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program
- Organization for Economic Co-operation and Development Screening Information Data Set
- World Health Organization

Revision date

19-Jan-2022

Revision Note

Disciplinary

Significant changes throughout SDS. Review all sections.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet