

## 1 Identification

- **Product identifier**
- **Trade name:** LB Medium, Lennox Large Capsules
- **Article number:** 3002136
- **Application of the substance / the mixture** For Research Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MP Biomedicals, LLC  
29525 Fountain Parkway  
Solon, OH 44139  
United States  
www.mpbio.com
- **Information department:** Quality Control Department
- **Emergency telephone number:** CHEMTREC: 1-800-424-9300 (1-703-527-3887)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Description:**  
Mixture of substances listed below with nonhazardous additions.  
Mixture: consisting of the following components.
- **Dangerous components:** Void

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

**Trade name: LB Medium, Lennox Large Capsules**

(Contd. of page 1)

### · Non-Hazardous Ingredients

CAS: 91079-40-2 EINECS: 293-428-4	Tryptone	10-50%
CAS: 8013-01-2 EINECS: 232-387-9 RTECS: ZF6610000	Yeast Extract Powder	10-50%
CAS: 7647-14-5 EINECS: 231-598-3 RTECS: VZ4725000	Sodium Chloride	10-50%

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Flush eyes with running water as a precaution.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
For personal protection see section 8.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

None of the ingredients is listed.

### · PAC-2:

None of the ingredients is listed.

(Contd. on page 3)

US

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

**Trade name: LB Medium, Lennox Large Capsules**

(Contd. of page 2)

**· PAC-3:**

*None of the ingredients is listed.*

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** *No special measures required.*
- **Information about protection against explosions and fires:** *No special requirements.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** *15 - 30 °C*
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Specific end use(s)** *No further relevant information available.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** *No further data; see Section 7.*
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
*The usual precautionary measures for handling chemicals should be followed.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:**  
*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*  
*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*  
*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Material of gloves**  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Not required.*

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Capsules
<b>Color:</b>	According to product specification
<b>Odor:</b>	Indeterminate

(Contd. on page 4)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

Trade name: *LB Medium, Lennox Large Capsules*

(Contd. of page 3)

· <b>Odor threshold:</b>	<i>Not determined.</i>
· <b>pH-value:</b>	<i>Not applicable.</i>
· <b>Change in condition</b> <b>Boiling point/Boiling range:</b>	<i>Undetermined.</i>
· <b>Flash point:</b>	<i>Not applicable.</i>
· <b>Flammability (solid, gaseous):</b>	<i>Not determined.</i>
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	<i>Not determined.</i>
· <b>Auto igniting:</b>	<i>Product is not selfigniting.</i>
· <b>Danger of explosion:</b>	<i>See section 10</i>
· <b>Explosion limits:</b>	
<b>Lower:</b>	<i>Not Applicable</i>
<b>Upper:</b>	<i>Not Applicable</i>
· <b>Vapor pressure:</b>	<i>Not applicable.</i>
· <b>Density:</b>	<i>Not Applicable</i>
· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapor density</b>	<i>Not applicable.</i>
· <b>Evaporation rate</b>	<i>Not applicable.</i>
· <b>Solubility in / Miscibility with</b> <b>Water:</b>	<i>Not Determined</i> <i>Insoluble.</i>
· <b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not applicable.</i>
<b>Kinematic:</b>	<i>Not applicable.</i>
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>0.0 %</i>
<b>VOC content:</b>	<i>0.0 g/l / 0.00 lb/gl</i>
<b>Solids content:</b>	<i>100.0 %</i>
· <b>Other information</b>	<i>No further relevant information available.</i>

## 10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

US

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

Trade name: **LB Medium, Lennox Large Capsules**

(Contd. of page 4)

## 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** Irritant and potentially harmful

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability:** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential:** No further relevant information available.

- **Mobility in soil:** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Can not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Discard must be made according to official regulations.

US

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

Trade name: *LB Medium, Lennox Large Capsules*

(Contd. of page 5)

## 14 Transport information

<i>· UN-Number</i>	
<i>· DOT, ADR, ADN, IMDG, IATA</i>	<i>Not regulated</i>
<i>· UN proper shipping name</i>	
<i>· DOT, ADR, ADN, IMDG, IATA</i>	<i>Not regulated</i>
<i>· Transport hazard class(es)</i>	
<i>· DOT, ADR, ADN, IMDG, IATA</i>	
<i>· Class</i>	<i>Not regulated</i>
<i>· Packing group</i>	
<i>· DOT, ADR, IMDG, IATA</i>	<i>Not regulated</i>
<i>· Environmental hazards:</i>	<i>Not applicable.</i>
<i>· Special precautions for user</i>	<i>Not applicable.</i>
<i>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</i>	<i>Not applicable.</i>
<i>· UN "Model Regulation":</i>	<i>Not regulated</i>

## 15 Regulatory information

<i>· Safety, health and environmental regulations/legislation specific for the substance or mixture</i>	
<i>· Sara</i>	
<i>· Section 355 (extremely hazardous substances):</i>	
<i>None of the ingredients is listed.</i>	
<i>· Section 313 (Specific toxic chemical listings):</i>	
<i>None of the ingredients is listed.</i>	
<i>· TSCA (Toxic Substances Control Act):</i>	
<i>8013-01-2</i>	<i>Yeast Extract Powder</i>
<i>7647-14-5</i>	<i>Sodium Chloride</i>
<i>· Proposition 65</i>	
<i>· Chemicals known to cause cancer:</i>	
<i>None of the ingredients is listed.</i>	
<i>· Chemicals known to cause reproductive toxicity for females:</i>	
<i>None of the ingredients is listed.</i>	
<i>· Chemicals known to cause reproductive toxicity for males:</i>	
<i>None of the ingredients is listed.</i>	
<i>· Chemicals known to cause developmental toxicity:</i>	
<i>None of the ingredients is listed.</i>	
<i>· Carcinogenic categories</i>	
<i>· EPA (Environmental Protection Agency)</i>	
<i>None of the ingredients is listed.</i>	
<i>· TLV (Threshold Limit Value established by ACGIH)</i>	
<i>None of the ingredients is listed.</i>	

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/04/2017

Reviewed on 04/04/2017

**Trade name: LB Medium, Lennox Large Capsules**

(Contd. of page 6)

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Quality Control Dept.

· **Date of preparation / last revision** 04/04/2017 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit