



Material Safety Data Sheet

Cat. No. LB01

According to Regulation (EC) No. 1272/2008

Last Modification: 31.03.2017

LB Broth Capsules

1: Identification of substance / mixture

1.1 Product Identifier Mixture

| | |
|--------------|--|
| Product Name | LB Broth (Miller) High Salt 1gm Capsules |
| Product Code | LB01 |
| CAS Number | Not available |
| IUPAC | Not available |
| MFCD Number | Not available |
| EC/EINECS | Not available |
| REACH Number | Not available |

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

Laboratory Research and Development

1.3 Details of the supplier of the safety data sheet

Nippon Genetics Europe
Binsfelderstr. 77
52351 Düren

Telephone: 02421/554960
Fax: 02421/5549611
Email: info@nippongenetics.de

1.4 Emergency telephone number

+49 (0) 2421/554960

2. Hazards Identification

2.1 Classification of the substance or mixture

Non Hazardous

2.2 Label elements

Non Hazardous

Hazard Statements

Non Hazardous

Precautionary Phrases

Non Hazardous

2.3 Other Hazards

Non Hazardous

3. Composition / Information on Ingredients

3.1 Substances

Mixture

3.2 Mixtures

3.1. Description of first aid measures

| Concentration | Product Name | CAS Number | EC-Number |
|---------------|-------------------|------------|-----------|
| 5.17% | Tris HCl[] | 1185-53-1 | 214-684-5 |
| 37.7% | Tryptone[] | 91079-40-2 | 293-428-4 |
| 37.7% | Sodium Chloride[] | 7440-23-5 | 231-598-3 |
| 18.9% | Yeast Extract[] | 8013-01-2 | 232-387-9 |
| 0.53% | Tris[] | 77-86-1 | 201-064-4 |

4. First Aid Measures

4.1 Description of first aid measures

| | |
|---------------------|---|
| <i>Skin Contact</i> | Wash immediately with plenty of soap and water. |
| <i>Eye Contact</i> | Bathe the eye with running water for 15 minutes. |
| <i>Ingestion</i> | Wash out mouth with water. Consult a doctor. |
| <i>Inhalation</i> | Supply fresh air; consult a doctor in case of complaints. |

4.2 Most important symptoms and effects

There may be mild irritation at the site of contact.
There may be irritation to mucous membranes and upper respiratory tract.

4.3 Indication of any immediate medical attention

No data available

5. Firefighting measures

5.1 Extinguishing Media

| | |
|-----------------|---|
| <i>Suitable</i> | Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. |
|-----------------|---|

| | |
|-------------------|------|
| <i>Unsuitable</i> | None |
|-------------------|------|

5.2 Special Hazards arising from the substance or mixture

In combustion toxic fumes may form.

5.3 Advice for Fire Fighters

Wear self-contained breathing apparatus.

6. Accidental Release Measures

6.1 Personal Precautions

Refer to section 8 of SDS for personal protection details.

6.2 Environmental Precautions

Do not discharge into drains or rivers.

6.3 Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.

7. Handling and Storage

7.1 Personal Precautions

Safe Handling Ensure there is sufficient ventilation of the area.
Use local extraction system where dusts may form.

Protection against explosions and fires Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store in cool, well ventilated area.
Storage Controls Keep container tightly closed.
Maintaining Integrity No special requirements
Other advice No further information available

7.3 Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

No Data Available

8.2 Exposure Controls

| | |
|--|--|
| <i>General protective and hygiene measures</i> | The standard precautionary measures should be adhered to when handling |
| <i>Engineering measures</i> | Ensure there is sufficient ventilation of the area. |
| <i>Eye / Face Protection</i> | Safety Glasses. |

| | |
|---|---|
| | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU) |
| <i>Hand protection</i> | 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. |
| <i>Respiratory protection</i> | 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). |
| <i>Skin protection</i> | 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. |
| <i>Other personal protection advice</i> | No data available |

9. Physical and Chemical Properties

9.1 Physical and Chemical Properties

| | |
|--|------------------------------|
| Appearance | Tan solid in gelatin capsule |
| Odour | No Data Available |
| Odour threshold | No Data Available |
| PH | No Data Available |
| Melting point / Freezing point | No Data Available |
| Initial boiling point and boiling range | No Data Available |
| Flash point | No Data Available |
| Evaporation rate | No Data Available |
| Flammability(solid,gas) | No Data Available |
| Upper/lower flammability or explosive limits | No Data Available |
| Vapour pressure | No Data Available |
| Vapour density | No Data Available |
| Relative density | No Data Available |
| Solubility(ies): | No Data Available |
| Partition coefficient: n-octanol/water | No Data Available |
| Auto-ignition temperature | No Data Available |
| Decomposition temperature | No Data Available |
| Viscosity | No Data Available |
| Explosive properties | No Data Available |
| Oxidising properties | No Data Available |

9.2 Other Information

No additional information available

10. Stability and Reactivity

10.1 Reactivity

No unusual reactivity

10.2 Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No hazardous reactions known.

10.4 Conditions to Avoid

Moist Air.

10.5 Incompatible Materials

Moist Air.

10.6 Hazardous Decomposition Products

In combustion emits toxic fumes.

11. Toxicology information

11.1 Information

| | |
|--|--------------------------|
| <i>Acute Toxicity</i> | No information available |
| <i>Skin corrosion/irritation</i> | No information available |
| <i>Serious eye damage/irritation</i> | No information available |
| <i>Respiratory or skin sensitisation</i> | No information available |
| <i>Germ Cell mutagenicity</i> | No information available |
| <i>Carcinogenicity</i> | No information available |
| <i>Reproductive toxicity</i> | No information available |
| <i>STOT-single exposure</i> | No information available |
| <i>STOT-repeated exposure</i> | No information available |
| <i>Aspiration hazard</i> | No information available |

11.2 Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. The toxicological properties have not been fully investigated.

12. Ecological Information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

Biodegradable

12.3 Bio-Accumulative Potential

No information available

12.4 Mobility and Soil

No information available

12.5 Results of PBT & vPvB assessment

No information available

12.6 Other adverse effects

No information available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Disposal Operations Consult state, local or national regulations for proper disposal.

Disposal of Packaging Disposal must be made according to official regulations. Dispose of as unused product.

14. Transport Information

Air (ICAO)

1. UN Number:
2. Shipping Name: Non Hazardous
3. Transport hazard class(es): Sub Class
4. Packing group:
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk:

Road (ADR)

1. UN Number:
2. Shipping Name: None Hazardous
3. Transport hazard class(es): Sub Class
4. Packing group:
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk:

Sea (IMDG)

1. UN Number:
2. Shipping Name: Non Hazardous
3. Transport hazard class(es): Sub Class
4. Packing group:
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk:

15. Safety, health, environmental and national regulations

15.1 Safety, health, environmental and national regulations:

Product is not subject to any additional regulations or provisions

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

16.1 Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)

RID: Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

16.2 Associated risk phrases according to European directive 67/548/EEC

16.3 Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.