

MATERIAL SAFETY DATA SHEET

Section 1: Identification of the substances/mixtures and of the company/undertaking

A. Product Information-

Product Name: LACTIC ACID BACTERIA SELECTIVE BROTH BASE (RAKA RAY NO. 3 BROTH BASE)

Product Code No.: B1251

REACH registration no. - This product is a mixture. REACH registration no.is not available for this product

B. Relevant identified uses of the substance/mixture and uses advised against-

Relevant identified uses- For Institutional/Industrial and laboratory use. For *in-vitro* diagnosis. Not for medicinal /Drug use

C. Manufacturer's Name:

BIOMARK LABORATORIES
135/1, DALVI WADI, DHAIRI,
Pune - 411 041. INDIA

Tel. No. : (91)-8459755093,

E-mail: biomarklabs@gmail.com

Date of revision: January 2024

Section 2: Composition/Information on Ingredients

This mixture is not classified as hazardous.

Composition

Ingredients Grams/Litre

Casein enzymic hydrolysate	20.00
Yeast extract	5.00
Liver extract	1.00
Maltose	10.00
Fructose	5.00
Dextrose	5.00
Betaine hydrochloride	2.00
Diammonium citrate	2.00
L-Aspartic acid	2.50
Magnesium sulphate	0.98
Manganese sulphate	0.42
Dipotassium phosphate	2.00
N-acetyl glucosamine	0.50
Potassium glutamate	2.50

Irritant material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Betaine hydrochloride	590-46-5	Xi (Irritant)	R 36	S 22-26
Diammonium citrate	3012-65-5	Xi (Irritant)	R 36/37/38	S 26-36
Manganese sulphate	10034-96-5	Xn(Harmful)	R 48/20/22-51/53	S22-61

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Casein enzymic hydrolysate	65072-00-6	---	---	---
Yeast extract	8013-01-2	---	---	---
Liver extract	80002-47-9	---	---	---
Maltose	6363-53-60	---	---	---
Dextrose	50-99-7	---	---	---
Fructose	57-48-7	---	---	---
L-Aspartic acid	56-84-8	---	---	---
Manganese sulphate	10034-96-5	---	---	---
Dipotassium phosphate	7758-11-4	---	---	---
N-acetyl glucosamine	7512-17-6	---	---	---
Potassium glutamate	299-27-4	---	---	---

Section 3: Health Hazards Identification

Refer Section 2 and 15.

Section 4: First Aid Measures

General Information: No special measures required.

Ingestion: If swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS.

Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes labored or difficult

Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and up eyelids occasionally. Seek medical attention.

Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if irritation develops.

Section 5: Fire Fighting Measures

Use Carbon dioxide, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

Personal Precautions: Wear suitable protective clothing. Remove contaminated exhaustion at the workplace.

Environmental Precautions: Prevent dispersion of material. Wipe up with damp sponge or mop.

Clean-up Methods: Avoid prolonged or repeated exposure. Absorb material, ventilate area, and wash spill site after material has been cleaned up. Avoid inhalation, contact with eyes and skin. Prevent formation of dust.

Section 7: Handling and Storage

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Handling: Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Refer to Section 8

Storage: Store in cool, dry conditions below 30°C in well-sealed containers and protected from direct sunlight and moisture.

Section 8: Exposure Controls/ Personal Protection

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9: Physical and Chemical Properties

Appearance: Homogeneous Free Flowing powder

Colour: Cream to beige

pH: 5.4± 0.2 at 25°C

Section 10: Stability and Reactivity

Stability: Stable under recommended storage and handling conditions

Conditions to avoid: Exposure to sunlight and moisture

Hazardous polymerization will not occur.

Section 11: Toxicological Information

LD/LC50 values that are relevant: N/A

Carcinogenicity: Not listed.

Section 12: Ecological Information

Ecotoxicity Tests: No specific data available.

Section 13: Disposal Considerations

Disposal consideration: Non- hazardous waste. Dispose of according to all federal, state and local applicable regulations.

Container information: Containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration as applicable.

Section 14: Transport Information

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class (es)

ADR/RID: - IMDG: - IATA: -

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14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user-no

Further information

Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information

Risk Phrases:

R 48/20/22, danger of serious damage to health by prolonged exposure through inhalation
And if swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS.

R 36/37/38, Irritating to eyes, respiratory system and skin.

R 51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R 36, Irritating to eyes

Safety Phrases:

S 22, Do not breathe dust

S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical
Advice

S 36, Wear suitable protective clothing

S 61, Avoid release to the environment. Refer to special instructions/Safety data sheets

Section 16: Other Information

Information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information. Users of this material should satisfy themselves by independent investigation of current scientific or medical information that this material may be safely handled.