

**MATERIAL SAFETY DATA SHEET****Section 1: Company Identification and Product information****Product Name: MODIFIED LACTOBACILLUS AGAR****Product Code No.: B1229****Manufacturer's Name:**

BIOMARK LABORATORIES

135/1, DALVI WADI, DHAIRI,

NARHE NANDED ROAD

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**Tel. No. :** 91 02024380877/24380026/8459755093**E-mail:** biomarklabs@gmail.com**Date of revision:** August 2020**Section 2: Composition/Information on Ingredients****Composition****Ingredients Grams/Litre**

Yeast extract	5.00
Glucose	5.00
Casein enzymic hydrolysate	5.00
Monopotassium phosphate	0.50
Dipotassium phosphate	0.50
Magnesium sulphate	0.30
*Ferrous sulphate	0.10
Sodium chloride	0.05
*Manganese sulphate	0.10
*Copper sulphate	0.01
*Zinc sulphate	0.01
*Cobalt sulphate	0.01
Agar	15.00

\*Irritant/Harmful material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Ferrous sulphate	7782-63-0	Xn(Harmful)	R 22-36/37/38	S26- 36
Manganese sulphate	10034-96-5	Xi (Irritant)	R 48/20/22	S22
Copper sulphate	7758-98-7	Xn(Harmful)	R 22-36/38-50/53	S 22-60-61
Zinc sulphate	7446-19-7	Xi (Irritant)	R 36/38-50/53	S 22-25-60-61
Cobalt sulphate	10026-24-1	Xn (Harmful)	R 20/22-36/37/38-43	S 26-36/37

**Section 3: Health Hazards Identification**

Refer Section 2 and 15.

**Section 4: First Aid Measures****General Information:** No special measures required.

## **MATERIAL SAFETY DATA SHEET**

**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**

**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 yellow

**pH:** 6.0 ± 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.

## **MATERIAL SAFETY DATA SHEET**

### **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**

**DOT Regulations:** Not Regulated

Not classified.

### **Section 15: Regulatory Information**

#### **Risk Phrases:**

R22, Harmful if swallowed.

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

R48/20/22, Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R 36/38, Irritating to eyes and skin.

R 50/53, Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment

R 20/22, Harmful by inhalation and if swallowed.

R 43, May cause sensitization by inhalation

#### **Safety Phrases:**

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

S22, Do not breathe dust.

S 25, Avoid contact with eyes

S 36/37, Wear suitable protective clothing, gloves and eye/face protection

S 61, Avoid release to the environment. Refer to special instruction/safety data sheets

S 60, This material and its container must be disposed of as hazardous waste

### **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.