

MATERIAL SAFETY DATA SHEET**Section 1: Company Identification and Product information****PRODUCT NAME:**AZOSPIRILLUM MEDIUM W/ 0.17% AGAR (TWIN PACK)**Product Code No.:** B847**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****Part A -**

*Malic acid	5.00
Dipotassium phosphate	0.50
*Ferrous sulphate	0.50
*Manganese sulphate	0.01
Magnesium sulphate	0.20
Sodium chloride	0.10
Bromo thymol blue	0.02
*Sodium molybdate	0.02
*Calcium chloride	0.02
Agar	1.75

Part B -

*Potassium hydroxide	4.00
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* Irritant / Harmful/corrosive material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Malic acid	636-61-3	Xi (Irritant)	R 36/37/38	S 26-36
Manganese sulphate	10034-96-5	Xn (Harmful)	R 48/20/22-51/53	S22-61
Calcium chloride	10043-52-4	Xi (Irritant)	R 36	S 22-24
Potassium hydroxide	1310-58-3	Corrosive	R 22-35	S 26-36/37/39-45
Sodium molybdate	10102-40-6	Xi (Irritant)	R 36/37/38	S 26-36
Ferrous sulphate	7782-63-0	Xn(Harmful)	R 22-36/37/38	S26-36

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.

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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:Part A :Homogeneous Free Flowing powderPart B : Pellets

Colour: Part A : Cream to yellow Part B :White to cream

pH: 6.8 ± 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

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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:

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.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22 Harmful if swallowed

R35 Causes severe burns.

R36 Irritating to eyes.

Safety Phrases:

S22 Do not breathe dust.

S24 Avoid contact with skin.

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

S 36, Wear suitable protective clothing

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61 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.