BIOMARK Laboratories-INDIA
www.biomarklabs.com

MATERIAL SAFETY DATA SHEET

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

A. Product Information-

Product Name: Slanetz and Bartley Medium
Product Code No.:B320
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: May 2025

Section 2: Composition/Information on Ingredients

This mixture is not classified as hazardous.

Composition

Ingredients	**grams/Litre**
Tryptose	20.00
Yeast extract	5.00
Dextrose	2.00
Disodium phosphate	4.00
Sodium azide	0.40
Triphenyltetrazolium chloride	0.10
Agar	15.00

Hazardous Component	**CAS-No.**	**Hazard Symbol**	**Risk Phrases**	**Safety Phrases**
Sodium Azide	26628-22-8	Toxic	R 28-32-50/53	S 28-45-60-61

Component	**CAS-No.**	**Hazard Symbol**
Tryptose	84843-69-6	---
Dextrose	77938-63-7	---
Disodium phosphate	19333-65-4	---
Triphenyltetrazolium chloride	298-96-4	---
Agar	9002-18-0	---

Section 3: Health Hazards Identification

Refer Section 2 and 15.

Section 4: First Aid Measures

General Information: Symptoms of poisoning may even occur after several hours; therefore provide medical observations for at least 48 hours after the accident.
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^{o}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: Light to medium yellow
pH: 7.2 ± 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.
Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

Section 11: Toxicological Information

LD/LC50 values that are relevant:
LD50: ORL-RAT, 27 mg/kg, Sodium Azide (26628-22-8)
Carcinogenicity: Not listed.
Eye: Produces irritation.
Inhalation: Irritant if inhaled, coughing possible.
Chronic: Target organs: Cardiovascular system, respiratory system, central nervous system, eyes, kidneys and skin. Prolonged or repeated skin contact may cause dermatitis.
Additional toxicological information: This product has a TDLo of 118 mg/kg (Or-human) based upon Sodium Azide content. Classified as Harmful, Irritant.

Section 12: Ecological Information

Ecotoxicity Tests: Water Hazard Class 1. Slightly hazardous for water. The ecological effects have not been thoroughly investigated, but currently none have been identified.

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: -
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 28, Very toxic if swallowed.
R 32, Contact with acids liberates very toxic gas
R 50/53, Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment
Safety Phrases:
S 28, after contact with skin, wash immediately with plenty of water.
S 45, In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S 60, this material and its container must be disposed of as hazardous waste
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.