

## MATERIAL SAFETY DATA SHEET

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

#### A. Product information

**Product Name: SS Agar (Salmonella Shigella Agar)**  
**Product Code No.:B310**

**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: February 2025

### Section 2: Composition/Information on Ingredients

**This mixture is not classified as hazardous.**

#### Composition

Ingredients	grams/Litre
Peptic digest of animal tissue	5.00
Meat Extract B	5.00
Lactose	10.00
Bile salt mixture	8.50
Sodium citrate	10.00
Sodium thiosulphate	8.50
Ferric citrate	1.00
Brilliant green	0.00033
Neutral red	0.025
Agar	15.00

Harmful / Irritant material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Bile salts mixture	---	Xi (Irritant)	---	S 22-24/25
Sodium thiosulphate	7772-98-7	Xi (Irritant)	R36/37/38	S 26-36
Neutral Red	553-24-2	Xn (Harmful)	R 22	S 22-24/25
Brilliant green	633-03-4	Xn (Harmful)	R 22-36/38	S 26-36

Components	CAS-No.	Hazard Symbol
Peptic digest of animal tissue	91079-38-8	NA
Meat Extract B	68990-09-0	NA
Lactose	63-42-3	NA
Sodium citrate	68-04-2	NA
Ferric citrate	2338-05-8	NA

## **MATERIAL SAFETY DATA SHEET**

Agar	9002-18-0	NA
------	-----------	----

### **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**

**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 powder

## **MATERIAL SAFETY DATA SHEET**

**Colour** Pinkish cream to pinkish yellow

**pH:** 7.0 ± 0.2 at 25°C

**Melting/freezing point:** No data available

**Flash point:** No data available

### **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**

**Eco toxicity 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: -

#### **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.

**MATERIAL SAFETY DATA SHEET**

**Section 15: Regulatory Information**

**Risk Phrases:**

R 22, Harmful if swallowed

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

R 36/38, Irritating to eyes and skin

**Safety Phrases:**

S 22, do not breathe dust

S 24/25, avoid contact with skin and eyes

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

S 36, Wear suitable protective clothing.

**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.