

## **MATERIAL SAFETY DATA SHEET**

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

#### **A. Product Information-**

**Product Name:** XLD- MacConkey Agar Plate

**Product Code No.:**BB005-20

**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 2026

### **Section 2: Composition/Information on Ingredients**

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

The components of this mixture need not be disclosed as per the regulations.

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Hazard Symbol</b>	<b>Risk Phrases</b>	<b>Safety Phrases</b>
Bile salts	NA	Xi (Irritant)	R 22-37	S 22-24/25
Neutral red	553-24-2	Xn (Irritant)	R 22	S 22-24/25
Sodium thiosulphate	7772-98-7	Xi (Irritant)	R 36/37/38	S 26-36
Ferric Ammonium Citrate	1185-57-5	Xi (Irritant)	R 36/37/38	S 26-36
Sodium Deoxycholate	302-95-4	Xi (Irritant)	R 22-37	S 22-26-36
Phenol red	143-74-8	Xi (Irritant)	R 36/37/38	S 26-36

### **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.

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

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**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 between 2-8°C. Use before expiry date on the label.

### **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:** Sterile XLD agar and MacConkeys Agar in 90 mm disposable Biplates.

**Colour:** Red coloured medium of XLD Agar, Red coloured medium with purplish tinge of MacConkeys Agar.

**PH:** XLD Agar: 7.4 + 0.2, MacConkeys Agar: 7.1+ 0.2

### **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.

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### **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: -**

**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 37, Irritating to respiratory system.

R 22, Harmful if swallowed, 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.

**Safety Phrases:**

S 22, do not breath dust.

S24/25, 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

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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.