

## 1. PRODUCT INFORMATION – PLACE OF MANUFACTURE

- Product Name: **BacterBag™ Lactose Broth**
- Product Code: **10003**
- Intended Use: The medium is used for the detection of *Enterobacteriaceae* particularly *coliform* and *Salmonella* species from water, food and dairy products as per Standard Methods and FDA BAM.
- Manufacturer/ Supplier: BacterLab Division – LABone.Scientific Equipment Co., Ltd.
- Address: 228/13/3 Nguyen Thi Lang, Phu Loi Hamlet, Tan Phu Trung Commune, Cu Chi District, Ho Chi Minh City, Viet Nam.

## 2. HAZARD IDENTIFICATION

- Classification: Not considered hazardous under normal condition.
- Acute Effects: Slightly toxic if directly exposed to eyes and respiratory system. Non – toxic for skin and digestive system.
- Chronic Effects: No known carcinogenic, mutagenic, or teratogenic effects. No health effects reported from repeated or prolonged exposure.
- Hazard Warnings: None.
- Precautionary Advice: Handle according to standard laboratory safety procedures. Avoid swallowing or inhaling.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

In 1L Medium:

Pancreatic digest of gelatin	5,0 g
Meat extract	3,0 g
Lactose	5,0 g

pH: 6,9 ± 0,2 at 25°C

## 4. FIRST AID MEASURES

- Inhalation: Move to fresh air. If symptoms persist, seek medical attention immediately.
- Skin Contact: Wash with soap and rinse thoroughly with water.
- Eye Contact: Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. If irritation persists, seek medical attention.
- Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. If irritation persists, seek medical attention.

## 5. FIRE-FIGHTING MEASURES

- Fire and Explosion Risk: Product is not easily flammable or explosive.
- Products formed during fire: Carbon oxides (CO, CO<sub>2</sub>).
- Flammability Limits: Not applicable
- Firefighting Measures: Water , dry powder Carbon dioxide (CO<sub>2</sub>)
- Protective Equipment: Standard firefighting protective equipment.

## 6. SPILL AND LEAK PROCEDURES

- Small spills: Use appropriate tool to collect the liquid and dispose of in a suitable container. Clean the contaminated surface with water and 96% alcohol.
- Personal Protection: Wear protective gloves to avoid direct contact with the product.
- Environmental Protection: Avoid spills into sewers or water systems.
- Cleanup Procedure: Collect using non-reactive tools and dispose of according to regulations.

## 7. HANDLING AND STORAGE

- Handling Precautions: Do not ingest. If swallowed, seek medical attention with the product label. Avoid contact with skin, eyes and clothing. Wash hands after use. Keep out of reach of children.
- Storage Conditions: Store in a room temperature (4 – 25°C). Can be stored in a dry, cool area under clean conditions before use.
- Avoid direct sunlight.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- Exposure Limits: None.
- Personal Protective Equipment:
  - Eye Protection: Safety goggles.
  - Skin Protection: Gloves, laboratory protective clothing.
  - Respiratory Protection: Medical face mask.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Liquid.
- Color: Light to medium amber coloured clear solution without any precipitate.
- Odor: Odorless.
- pH:  $6.9 \pm 0.2$  at 25°C
- Solubility: Soluble in water.

## 10. STABILITY AND REACTIVITY

- Reactivity: Stable under normal conditions.
- Incompatible Materials: Strong acids and bases
- Chemical stability: Stable under recommended storage conditions.
- Conditions to Avoid: High temperatures and direct light.
- Hazardous Decomposition Products: None under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

- Respiratory: No irritant effects.
- Digestive: No irritant effects, but may cause diarrhea in some cases. Do not ingest.
- Eyes: May cause irritation characterized by redness due to corneal damage. Do not allow.
- Acute Toxicity: Not classified.
- Chronic Toxicity: No known effects.

- Carcinogenicity: No classified as a carcinogen.

## **12. ENVIRONMENTAL POLLUTION**

- Ecotoxicity: Not expected to cause significant harm to the environment.
- Biodegradability: Biodegradable.
- Bioaccumulation: Low.
- Mobility in Soil: Low.
- Product is water-soluble and composed of nutrients for microorganism cultivation with no known adverse effects on the environment.

## **13. WASTE DISPOSAL CONSIDERATIONS**

- Waste disposal: Dispose of waste according to medical waste disposal regulations, avoid environmental discharge.
- Always wash hands after handling the product.
- Do not dispose of in sewers or the environment.

## **14. TRANSPORT INFORMATION**

- UN Number: Not regulated.
- Hazard Class: Not classified.
- Packaging: Keep the original packaging during transport.

## **15. REGULATORY INFORMATION**

Complies with safety regulations for use and disposal in laboratory settings.

## **16. OTHER INFORMATION**

All information provided in this MSDS is accurate to the best of our knowledge. However, the company makes no commercial warranty or guarantee and assumes no responsibility of and kind.

Users should do their own checks to determine whether the information is appropriate for their specific purposes.

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