





MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM037-Bile Esculin Agar			
Manufacturer's Name & Address	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	Emergency Phone No.:	+91 22 25895505/ 25895505 /25894760
Reference	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromaster lab.com
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	Grams/Litre	Ingredients	Grams/Litre
Peptic digest of animal tissue	5.00	Beef extract	3.00
Oxgall	40.00	*Esculin	1.00
Ferric citrate	0.50	Agar	15.00
Final pH (at 25°C) 6.6±0.2			
	Esculin CAS No. : 531-75-9 R : 20-21-22		
Section 3. Health Hazard Identification			
	Route(s) of Entry: Inhalation- Yes; Skin-Yes; Ingestion-Yes Health Hazards: (<i>Acute and Chronic</i>) IRRITANT. Irritating to eyes, respiratory system, and skin. Carcinogenicity: IARC Monographs-No ; OSHA Regulated-No Signs and Symptoms of Exposure: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled, absorbed through the skin, or swallowed. Irritating to skin and eyes. Medical Conditions Generally Aggravated by Exposure: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.		
Section 4. First Aid Measures			
Emergency / First Aid Procedures: 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 upper 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.			
Section 5. Fire and Explosion Hazard Data			
Flash Point (Method Used): N/A Flammable Limits: LEL - N/A ; UEL - N/A Extinguishing Media: Use alcohol foam, dry chemical, or carbon dioxide. Special Fire Fighting Procedures: Firefighters should wear protective equipment and self-contained breathing apparatus.			



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Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

Section 6. Accidental Release Measures

Personal Precautions: Shut off all sources of ignition, ventilate spill area. Wear suitable protective clothing, gloves, and eye protection. Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves. Place contaminated material in a chemical waste container.

Environmental Precautions: Prevent dispersion of material. Do not allow to enter drains or water courses. Water runoff can cause environmental damage.

Clean-up Methods: Contact safety officer and ventilate area. Absorb spill with inert material, including dry-lime, sand, or soda ash, then place into a chemical waste container using non-sparking tools. Wash spill site.

Section 7. Handling and Storage

Handling - Refer to Section 8

Storage - Store below 30°C

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.

Colour : Light yellow to brownish yellow.

Section 10. Stability and Reactivity

Stability: Unstable

Stable X Conditions to Avoid: Stable under recommended storage conditions.

Incompatibility (Materials to Avoid): Incompatible with strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide and Carbon dioxide.

Hazardous Polymerization: May Occur, Will Not Occur X Incompatible materials.

Section 11. Toxicological Information

Acute Effects : May be harmful if swallowed.

Exposure can cause : Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

For complete information RTECS may be referred.

Section 12. Ecological Information

Ecotoxicity Tests: N/A

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental



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regulations. Keep waste separate. Contact a licensed professional waste disposal service to dispose of this material if questions arise. Do not allow product to reach ground water, water bodies, or sewage system.

Container Information: Do not remove labels from containers until they have been cleaned.

Section 14. Transport Information

Oxbile: Not Regulated. This substance is considered to be non-hazardous for transportation.

Section 15. Regulatory Information

Risk Phrases : Harmful by inhalation

Risk Phrases : Harmful in contact with skin

Risk Phrases : Harmful if swallowed



Significance of signs : This symbol designates substances which may have anirritant effect on skin, eyes and respiratory organs

Section 16. Other Information

WARRANTY :

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Micromaster Laboratories shall not be held liable for any damage resulting from handling or from contact with the above Product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute no warranty.

DISCLAIMER:

For Laboratory use only. Not for drug, household or other uses.

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