



MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information

Product Name or Identity: DM039-Bismuth Sulphite 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
Date Prepared or Revised:	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromasterlab.com

Section 2. Composition / Information on Hazardous Ingredients

Ingredients	Grams/Litre	Ingredients	Grams/Litre
Peptic digest of animal tissue	10.00	Beef extract	5.00
Dextrose	5.00	Disodium phosphate	4.00
*Ferrous sulphate	0.30	Bismuth sulphite indicator	8.00
*Brilliant green	0.025	Agar	20.00
Final pH (at 25°C) 7.7 ± 0.2			

* Harmful material



Ferrous sulphate

CAS No. : 10028-21-

R : 22

RTECS : NO 8500000



Brilliant green

CAS No. : 633-03-4

R : 22-36/38 S : 26-36

RTECS : BP 6825000

Section 3. Health Hazard Identification



Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to One's health. Nonrecurring, recurring or lengthy exposure to these substances may result in Irreversible damage.

Caution : Avoid contact with the human body, including inhalation of the vapours and in cases Of malaise consult a doctor.

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.



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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 CO₂, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective Equipment: No special measures required.

Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases may be produced.

Section 6. Accidental Release Measures

Personal Precautions: Wear suitable protective clothing. Remove contaminated clothing. Ensure good ventilation /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 - 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 greenish yellow

Section 10. Stability and Reactivity

Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7. Product

loses its potency/performance above 45°C.

Conditions to avoid : Heat and light.

Hazardous polymerization will not occur.

Section 11. Toxicological Information

Acute Effects : May be harmful if swallowed.

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

RTECS No. : NO 8500000 WE 2150000 BP 6825000


For complete information RTECS may be referred

Section 12. Ecological Information

Ecotoxicity Tests: Water Hazards Class 1. Slightly hazardous to water. The ecological effects have



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not been thoroughly investigated, but currently none have been identified.
Section 13. Disposal Considerations
Waste Disposal Method: Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations. Smaller quantities can be disposed of with solid waste. RCRA Hazardous Waste - No Contact a licensed professional waste disposal service to dispose of this material if questions arise. Container Information: Do not remove labels from containers until they have been cleaned.
Section 14. Transport Information
Not Applicable
Section 15. Regulatory Information
Risk Phrases : Harmful if swallowed Risk Phrases : Contact with acids liberates toxic gas Risk Phrases : Irritating to eyes and skin Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Safety Phrases : Wear suitable protective clothing
 Significance of signs: Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result In irreversible damage.
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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