



MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information


Product Name or Identity: DM511 Modified Bile Esculin Azide 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/ 25894681 /25894760
Reference:	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromasterlab.com

Section 2. Composition / Information on Hazardous Ingredients


Ingredients	Grams/Litre	Ingredients	Grams/Litre
Casein enzymic hydrolysate	17.00	Peptic digest of animal tissue	3.00
Yeast extract	5.00	Oxgall	10.00
Sodium chloride	5.00	Sodium citrate	1.00
Esculin	1.00	Ferric ammonium citrate	0.50
*Sodium azide	0.25	Agar	13.50

Final pH (at 25°C) 7.1±0.2

* Irritant / Harmful / Dangerous to the Environment material

	Sodium azide CAS No. : 26628-22-8 R : 28-32-50/53 RTECS : VY 8050000	S : 28-45-60-61
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Section 3. Health Hazard Identification

	<p>Hazard : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.</p> <p>Caution : Avoid contact with the human body, and immediately consult a doctor in cases of malaise.</p>
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Section 4. First Aid Measures

<p>Description of first aid measures</p> <p>General advice Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p>If inhaled In case of swallowing, wash out mouth with water provided person is conscious.</p> <p>In case of skin contact flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes</p> <p>In case of eye contact Wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.</p>

Section 5. Fire and Explosion Hazard Data




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Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special fire-fighting procedures. Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Advice for firefighters Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Section 6. Accidental Release Measures
Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
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 : Cream to brownish 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. Decomposition products : if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may evolve. 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. : VY 8050000 For complete information RTECS may be referred.
Section 12. Ecological Information
Data not available
Section 13. Disposal Considerations
On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, State and local laws.



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Section 14. Transport Information	
UN No. :	Not applicable.
Section 15. Regulatory Information	
Risk Phrases :	Very toxic if swallowed
Risk Phrases :	Contact with acids liberates very toxic gas
Risk Phrases :	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Safety Phrases :	After contact with skin, wash immediately with plenty of water.
Safety Phrases :	This material and its container must be disposed of as hazardous waste
Safety Phrases :	Avoid release to the environment. Refer to special instructions/ Safety data sheets
	Significance of signs : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. 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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