












## MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM487 Antifungal Assay 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
Dextrose	50.00	Sodium citrate	4.50
Potassium phosphate	0.55	*Citric acid	1.00
Casein enzymic hydrolysate	4.00	Pyridoxine hydrochloride	0.00025
Thiamine	0.00025	Inositol	0.025
Calcium pantothenate	0.0025	*Niacin	0.0025
*Potassium chloride	0.425	*Calcium chloride	0.125
Magnesium sulphate	0.125	*Ferric chloride	0.0025
*Manganese sulphate	0.0025	Biotin	0.000008
Agar	15.00		
Final pH (at 25°C) 5.5±0.2			
* Irritant / Harmful / Dangerous to the Environment material			
	Citric acid CAS No. : 77-92-9 R : 37/38-41 RTECS : GE 7350000	S : 26-36/37/39	
	Niacin CAS No. : 59-67-6 R : 36/37/38 RTECS : QT 0525000	S : 26-36	
	Potassium chloride CAS No. : 7447-40-7 R : 36/37/38 RTECS : TS 8050000	S : 26-36	
	Calcium chloride CAS No. : 10043-52-4 R : 36 RTECS : EV 9800000	S : 22-24	
	Ferric chloride CAS No. : 7705-08-0		

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		R : 22-34-52/53	S : 7/8-26-36/37/39-45-61
		RTECS : LJ 9100000	
	<p>Manganese sulphate CAS No. : 10034-96-5 R : 48/20/22 RTECS : OP 0893500</p>		
<b>Section 3. Health Hazard Identification</b>			
	<p>Hazard : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs. Caution : Do not breathe vapours and avoid contact with skin and eyes.</p>		
	<p>Hazard : 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. Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.</p>		
<b>Section 4. First Aid Measures</b>			
<b>Description of first aid measures</b>			
<b>General advice</b>			
Consult a physician. Show this safety data sheet to the doctor in attendance.			
<b>If inhaled</b>			
In case of swallowing, wash out mouth with water provided person is conscious.			
<b>In case of skin contact</b>			
flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes			
<b>In case of eye contact</b>			
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.			
<b>Section 5. Fire and Explosion Hazard Data</b>			
<b>Extinguishing media</b>			
<b>Suitable extinguishing media</b>			
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.			
<b>Advice for firefighters</b>			
Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.			
<b>Section 6. Accidental Release Measures</b>			
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.			
<b>Section 7. Handling and Storage</b>			
<b>Handling</b> - Refer to Section 8			
<b>Storage</b> - Store below 30°C			



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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 : Off-white
Section 10. Stability and Reactivity
<b>Stability</b> : Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its potency/performance above 45°C. <b>Conditions to avoid</b> : Heat and light. <b>Decomposition products</b> : if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may evolve. Hazardous polymerization will not occur.
Section 11. Toxicological Information
<b>Acute Effects</b> : May be harmful if swallowed. <b>Exposure can cause</b> : Stomach pains, vomiting, diarrhea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. <b>RTECS No.</b> : GE 7350000 QT 0525000 TS 8050000 EV 9800000 LJ 9100000 OP 0893500 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.
Section 14. Transport Information
UN No. : Not applicable.
Section 15. Regulatory Information
Risk Phrases : Irritating to respiratory system and skin Risk Phrases : Risk of serious damage to eyes Risk Phrases : Irritating to eyes, respiratory system and skin Risk Phrases : Irritating to eyes Risk Phrases : Harmful if swallowed Risk Phrases : Causes burns Risk Phrases : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment Risk Phrases : Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Safety Phrases: Wear suitable protective clothing, gloves and eye/face protection



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Safety Phrases: Wear suitable protective clothing

Safety Phrases: Do not breathe dust

Safety Phrases: Avoid contact with skin

Safety Phrases: Keep container tightly closed and dry

Safety Phrases: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Safety Phrases : Avoid release to the environment



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



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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