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.:**	9320126789/9833630009/ 9819991103
Reference:	According to Regulation (EC) No.1907/2006	**Email:**	sales@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 S : 26-36/37/39
RTECS : GE 7350000

Niacin
CAS No. : 59-67-6
R : 36/37/38 S : 26-36
RTECS : QT 0525000

Potassium chloride
CAS No. : 7447-40-7
R : 36/37/38 S : 26-36
RTECS : TS 8050000

Calcium chloride
CAS No. : 10043-52-4
R : 36 S : 22-24
RTECS : EV 9800000

Ferric chloride
CAS No. : 7705-08-0
R : 22-34-52/53 S : 7/8-26-36/37/39-45-61
RTECS : LJ 9100000

Manganese sulphate
CAS No. : 10034-96-5
R : 48/20/22 S : 22
RTECS : OP 0893500

Section 3. Health Hazard Identification

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.

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.

Section 4. First Aid Measures

Description of first aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled
In case of swallowing, wash out mouth with water provided person is conscious.
In case of skin contact
flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes
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.

Section 5. Fire and Explosion Hazard Data

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 : Off-white

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. : 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
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.

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