

# MATERIAL SAFETY DATA SHEET



Section 1. Company Identification and Product Information			
<b>Product Name or Identity:</b> DM593-M-Enterococcus Agar Base, Modified			
<b>Manufacturer's Name &amp; Address</b>	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	<b>Emergency Phone No.:</b>	9320126789/9833630009 /9819991103
<b>Reference:</b>	According to Regulation (EC) No.1907/2006	<b>Email:</b>	<a href="mailto:sales@micromasterlab.com">sales@micromasterlab.com</a>
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	Grams/Litre	Ingredients	Grams/Litre
Pancreatic digest of gelatin	10.00	Yeast extract	30.00
Sodium chloride	15.00	*Sodium azide	0.15
Esculin	1.00	*Cycloheximide	0.05
*Nalidixic acid	0.25	Agar	15.00
Final pH (at 25°C) 7.1±0.2			
* Toxic / Very Toxic / Dangerous for the environment / Harmful material			
		Sodium azide CAS No. : 26628-22-8 R : 28-32-50/53 S : 28-45-60-61 RTECS : VY 8050000	
		Cycloheximide CAS No. : 66-81-9 R : 61-28.1-51/53-68 S : 53.1-45-61 RTECS : MA 4375000	
		Nalidixic acid CAS No. : 389-08-2 R : 40-42/43 S : 22-36/37-45 RTECS : QN 2885000	
Section 3. Health Hazard Identification			
	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. Caution : Avoid contact with the human body, and immediately consult a doctor in cases of malaise.		
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	Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term. Caution : Avoid release to the environment.		
	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

### 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 : Cream to 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.** :NO 85 10000 BP 68250 00  
 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 of 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 : 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  
 Risk Phrases : May cause harm to the unborn child  
 Risk Phrases : Very toxic if swallowed  
 Risk Phrases : Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment  
 Risk Phrases : Possible risks of irreversible effects  
 Risk Phrases : Limited evidence of a carcinogenic effect  
 Risk Phrases : May cause sensitization by inhalation and skin contact  
 Safety Phrases : After contact with skin, wash immediately with plenty of soap-suds  
 1. water. 2. polyethylene glycol 400 3. water and soap 4. ethanol  
 5. copper sulphate solution 2% 6. polyethylene glycol/thanol (1:1)  
 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  
 Safety Phrases : Avoid exposure - obtain special instructions before use  
 1. Restricted to professional users  
 Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
 Safety Phrases : Do not breathe dust  
 Safety Phrases : Wear suitable protective clothing and gloves



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.



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## 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.

DM593MSDS, QAD/FR/030, Rev.00

