



















MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM533 MOF Medium			
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	1.00	Yeast extract	0.10
*Tris hydroxymethyl aminomethane	0.50	*Boric acid	0.011
*Ammonium sulphate	0.50	Disodium phosphate	0.004
*Ammonium nitrate	0.0008	Sodium chloride	9.70
Magnesium chloride	4.40	Sodium sulphate	1.60
*Calcium chloride	0.90	*Potassium chloride	0.275
Sodium bicarbonate	0.08	*Potassium bromide	0.04
Strontium chloride	0.017	*Sodium silicate	0.002
*Sodium fluoride	0.0012	*Phenol red	0.01
Agar	3.00		
Final pH (at 25°C) 8.0±0.2			
* Irritant / Harmful / Dangerous to the Environment material			
	Tris hydroxymethyl aminomethane CAS No. : 77-86-1 R : 36/37/38 RTECS : TY 2900000	S : 26-36	
	Boric acid CAS No. : 10043-35-3 R : 21/22-36/37/38 : RTECS : ED 4550000	S : 26-36/37	
	Ammonium sulphate CAS No. : 7783-20-2 R : 36/37/38 RTECS : BS 4500000	S : 26-36	
 	Ammonium nitrate CAS No. : 6484-52-2 R : 8-36/37/38 RTECS : BR 9050000	S : 15-17-26-36	

MATERIAL SAFETY DATA SHEET

	<p>Calcium chloride CAS No. : 10043-52-4 R : 36 RTECS : EV 9800000</p>	<p>S : 22-24</p>
	<p>Potassium chloride CAS No. : 7447-40-7 R : 36/37/38 RTECS : TS 8050000</p>	<p>S : 26-36</p>
	<p>Potassium bromide CAS No. : 7758-02-3 R : 36/37/38 RTECS : TS 7650000</p>	<p>S : 26-36</p>
	<p>Sodium silicate CAS No. : 1344-09-8 R : 35</p>	<p>S : 26-36/37/39-45</p>
	<p>Sodium fluoride CAS No. : 7681-49-4 R : 25-32-36/38 RTECS : WB 0350000</p>	<p>S : 22-36-45</p>
	<p>Phenol red CAS No. : 143-74-8 R : 36/37/38 RTECS : SJ 7490000</p>	<p>S : 26-36</p>
Section 3. Health Hazard Identification		
	<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 consults a doctor.</p>	
	<p>Hazard : Living tissue as well as equipment are destroyed on contact with these Chemicals. Caution : Do not breathe vapors and avoid contact with</p>	
	<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. Caution : Avoid contact with the human body, and immediately</p>	
	<p>Hazard : Oxidizing substances can ignite combustible material or worsen existing fires and thus Make fire-fighting more difficult. Caution: Keep away from combustible material.</p>	
Section 4. First Aid Measures		
Description of first aid measures		



MATERIAL SAFETY DATA SHEET

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

Color : Light yellow to pinkish purple

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



MATERIAL SAFETY DATA SHEET

Allergic reactions in certain sensitive individuals.

RTECS No. : TY 2900000 ED 4550000 BS 4500000 BR 9050000 EV 980000 TS 8050000 TS 7650000
WB 0350000

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 eyes, respiratory system and skin

Risk Phrases : Contact with combustible material may cause fire

Risk Phrases : Irritating to eyes

Risk Phrases : Causes severe burns

Risk Phrases : Toxic if swallowed

Risk Phrases : Contact with acids liberates very toxic gas

Risk Phrases : Irritating to eyes and skin

Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Safety Phrases : Wear suitable protective clothing

Safety Phrases : Wear suitable protective clothing and gloves

Safety Phrases : Keep away from heat

Safety Phrases : Keep away from combustible material

Safety Phrases : Do not breathe dust

Safety Phrases : Avoid contact with skin

Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection

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



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.



Significance of signs : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.



Hazard: Living tissue as well as equipment is destroyed on contact with these chemicals.
Caution : Do not breathe vapors and avoid contact with skin,



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.



MATERIAL SAFETY DATA SHEET

Caution : Avoid contact with the human body, and immediately

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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