

MATERIAL SAFETY DATA SHEET



Section 1. Company Identification and Product Information			
Product Name or Identity: DM455- Algae Culture 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/ 25895505 /25894760 Cell : 9320126789
Date Prepared or Revised:	01/January/2006 According to: 91/155/EEC	Email:	micromaster@micromasterlab.com
Section 2. Composition / Information on Hazardous Ingredients			
Composition Ingredients	Grams/Litre	Ingredients	Grams/Litre
*Sodium nitrate	1.00	Dipotassium phosphate	0.25
Magnesium sulphate	0.513	*Ammonium chloride	0.05
*Calcium chloride	0.058	*Ferric chloride	0.003
Agar	15.00		
* Harmful / Oxidising / Irritant / Corrosive material			
Sodium nitrate CAS No. : 7631-99-4 R : 8-22-36/37/38 S : 17-26-27-36/37/39 RTECS : WC 5600000			
Ammonium chloride CAS No. : 12125-02-9 R : 22-36 S : 22 RTECS : BP 4550000			
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 S : 22-26-27-36/37/39-45 RTECS : LJ 9100000			
Section 3. Health Hazard Identification			
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 Malaises consult a doctor.			
Hazard : Oxidizing substances can ignite combustible material or worsen existing fires and thus Make fire-fighting more difficult.			
Caution: Keep away from combustible material.			
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: Living tissues as well as equipment are destroyed on contact with these chemicals.			
Caution: Do not breathe vapours and avoid contact with skin, eyes and clothing.			



Section 4. First Aid Measures
<p>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 inhalation- Remove to fresh air. If breathing becomes difficult, call physician.</p> <p>In case of contact With eyes- Wash with copious amounts of water for at least 15 minutes. Assure adequate washing By separating the eyelids with fingers.</p> <p>In serious conditions- Call a physician, show the container or label.</p>
Section 5. Fire and Explosion Hazard Data
<p>Extinguishing Media- Water spray. Carbon dioxide, dry chemical powder or appropriate foam.</p> <p>Special fire-fighting procedures- Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p> <p>Unusual fire and explosion hazards- Emits toxic fumes under fire conditions.</p>
Section 6. Accidental Release Measures
<p>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.</p>
Section 7. Handling and Storage
<p>Handling - Refer to Section 8.</p> <p>Storage - Store below 30°C.</p>
Section 8. Exposure Controls / Personal Protection
<p>Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other Protective clothing. Mechanical exhaust required.</p>
Section 9. Physical and Chemical Properties
<p>Appearance : Homogeneous powder.</p> <p>Colour : Cream to yellow.</p> <p>Final pH (at 25°C): 7.0±0.2</p>
Section 10. Stability and Reactivity
<p>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.</p> <p>Conditions to avoid: Heat and light.</p> <p>Decomposition products : If product is decomposed toxic fumes of Carbon monoxide and Carbon dioxide May evolve.</p> <p>Hazardous polymerization will not occur.</p>
Section 11. Toxicological Information
<p>Acute Effects: May be harmful if swallowed.</p> <p>Exposure can cause: Stomach pains, vomiting, diarrhea. Prolonged or repeated exposure may cause Allergic reactions in certain sensitive individuals.</p> <p>RTECS No. : WC 5600000 BP 4550000 EV 9800000 LJ 9100000</p> <p>For complete information RTECS may be referred.</p>
Section 12. Ecological Information

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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 : Contact with combustible material may cause fire.

Risk Phrases : Harmful if swallowed.

Risk Phrases : Irritating to eyes, respiratory system and skin.

Risk Phrases : Irritating to eyes.

Risk Phrases : Causes burns.

Safety Phrases : Keep away from combustible material.

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

Safety Phrases : Take off immediately all contaminated clothing.

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

Safety Phrases : Do not breathe dust.

Safety Phrases : Avoid contact with skin.

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

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.

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

Hazard: Living tissues as well as equipment are destroyed on contact with these chemicals.

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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