



MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information








Product Name or Identity: DM469 Sellers Differential 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
Yeast extract	1.00	Sodium chloride	2.00
Peptic digest of animal tissue	20.00	Sodium nitrate	1.00
Magnesium sulphate	1.50	Dipotassium phosphate	1.00
*Sodium nitrite	0.35	Phenol red	0.008
Bromo thymol blue	0.04	Agar	15.00
L-Arginine	1.00	D-Mannitol	2.00

Final pH (at 25°C) 7.4±0.2

* Irritant / Harmful / Oxidising / Toxic material

	L-Arginine CAS No. : 74-79-3 R : 36 S : 26 RTECS : CF 1934200
 	Sodium nitrate CAS No. : 7631-99-4 R : 8-22-36/37/38 S : 15-16-26-36 RTECS : WC 5600000
  	Sodium nitrate CAS No. : 7631-99-4 R : 8-22-36/37/38 S : 15-16-26-36 RTECS : WC 5600000
	Phenol red CAS No. : 143-74-8 R : 36/37/38 S : 26-36 RTECS : SJ 7490000

Section 3. Health Hazard Identification

	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.
	Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health.

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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.



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.



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

Caution : Keep away from combustible material.

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



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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 : Light yellow to pink
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. Hazardous polymerization will not occur
Section 11. Toxicological Information
Acute Effects : May be harmful if swallowed. Exposure can cause : Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. RTECS No. : LZ 5901700 MD 0907700 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 : Harmful if swallowed Risk Phrases : Irritating to eyes and skin Risk Phrases : Possible risks of irreversible effects Risk Phrases : Very toxic if swallowed Risk Phrases : Contact with acids liberates very toxic gas Risk Phrases : Harmful by inhalation Risk Phrases : Risk of serious damage to eyes Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Safety Phrases: Wear suitable protective clothing and gloves Safety Phrases: After contact with skin, wash immediately with plenty of water. 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

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

Safety Phrases: Avoid release to the environment



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.



Toxic

Significance of signs : 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.



Significance of signs : 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.



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

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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