MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity:DM1012-Yeast Nitrogen Base Agar (Twin Pack)			
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**
Part A			
Agar	40.00		
Part B			
Yeast Nitrogen Base	6.7		
Ingredients			
* Ammonium sulphate	5.00	L-Histidine hydrochloride	0.01
* P-Amino benzioc acid (PABA)	0.0002	DL- Methionine	0.02
* Pyridoxine hydrochloride	0.0004	DL- Tryptophan	0.02
* Copper sulphate	0.00004	Biotin	0.000002
* Ferric chloride	0.0002	Calcium panthothenate	0.004
* Manganese sulphate	0.0004	Folic acid	0.000002
* Zinc sulphate	0.0002	Insositol	0.002
* Calcium chloride	0.10	Niacin	0.0004
Riboflavin (Vitamin B2)	0.0002	Thiamine hydrochloride	0.0004
Boric acid	0.0005	Potassium iodide	0.0001
Monopotassium phosphate	1.00	Magnesium sulphate	0.50
Sodium chloride	0.10		
Final pH (at 25°C) 5.4±0.2			
* Harmful / Irritant / Dangerous for Enviorment / Corrosive material			

Ammonium sulphate
CAS No. : 7783-20-2
R : 36/37/38 S : 26-36
RTECS : BS 4500000

P-Aminobenzioc acid (PABA)
CAS No. : 150-13-0
R : 22-36/37/38-43 S : 26-36
RTECS : DG 1400000

 Pyridoxine hydrochloride CAS No. : 58-56-0 R : 36/37/38 S : 26-36 RTECS : UV 1350000
 Copper sulphate CAS No. : 7758-98-7 R : 22-36/38-50/53 S : 22-60-61 RTECS : GL 8800000
 Ferric chloride CAS No. : 7705-08-0 R : 22-34 S : 22-26-27-36/37/39-45 RTECS : LJ 9100000
 Maganese sulphate CAS No. : 10034-96-5 R : 48/20/22-51/53 S : 22-61 RTECS : OP 0893500
 Sodium molybdate CAS No. : 10102-40-6 R : 36/37/38 S : 26-36 RTECS : QA 5085000
 Zinc sulphate CAS No. : 7446-19-7 R : 36/38-50/53 S : 22-25-60-61
 Calcium chloride CAS No. : 10043-52-4 R : 36 S : 22-24 RTECS : EV 9800000
Section 3. Health Hazard Identification
 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 consults a doctor.
 Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the Non-aquatic environment (fauna, flora, and atmosphere) or which have a detrimental effect at longer term. Caution: Avoid release to the environment.
 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
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 clothingandshoes
Incase of eye contact
Wash with copious amounts of water for at least 15 minutes. Assure adequate washingby 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-containedbreathing apparatus and protective clothing to prevent contact with skin and eyes.
Advice for fire-fighters
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

Part A
Appearance : Homogeneous powder
Colour : White to cream
Part B
Appearance : Homogeneous powder
Colour : White to cream

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, and diarrhoea. Prolonged or repeated exposure may cause Allergic reactions in certain sensitive individuals.

RTECS No. : BS 4500000 DG 1400000 UV 1350000 GL 8800000 LJ 9100000
OP 0893500 QA 5085000 EV 9800000
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 of waste in accordance with all applicable Federal, State and local laws.

Section 14. Transport Information

UN No. : Not applicable.

Section 15. Regulatory Information

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

Significance of signs: Living tissue as well as equipment is 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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