








MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM1293- Fraser Secondary Enrichment Broth Base			
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@micromaster lab.com
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	Grams/Litre	Ingredients	Grams/Litre
Proteose peptone	5.00	Casein enzymic hydrolysate	5.00
Yeast extract	5.00	Beef extract	5.00
Sodium chloride	20.00	*Lithium chloride	3.00
Disodium phosphate	12.00	Monopotassium phosphate	1.35
*Esculin	1.00	*Ferric ammonium citrate	0.50
Final pH (at 25°C) 7.2±0.2 * Harmful material			
	Lithium chloride CAS No. : 7447-41-8 R : 22-36/37/38 S : 26-36/37/39 RTECS : OJ 5950000		
	Esculin CAS No. : 531-75-9 R : 20-21-22		
	Ferric ammonium citrate CAS No. : 1185-57-5 R : 36/37/38 S : 26-36 RTECS : GE 7540000		
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 malaise consult a doctor.		
	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.		
Section 4. First Aid Measures			
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. Incase of inhalation, remove to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by			



MATERIAL SAFETY DATA SHEET

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. Water spray. Carbon dioxide, dry chemical powder or appropriate foam. 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. 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. : OJ 5950000 GE 7540000 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



MATERIAL SAFETY DATA SHEET

UN No. : Not applicable.

Section 15. Regulatory Information

Risk Phrases: Harmful if swallowed

Risk Phrases: Irritating to eyes, respiratory system and skin

Risk Phrases: Harmful by inhalation

Risk Phrases: Harmful in contact with skin

Risk Phrases: Harmful if swallowed

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

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



Significans 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.



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

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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