








MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: DM405 Listeria Enrichment Broth, Modified			
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
Tryptose	10.00	Yeast extract	5.00
Beef extract	5.00	Sodium chloride	20.00
Disodium hydrogen phosphate	9.60	Monopotassium hydrogen phosphate	1.35
*Esculin	1.00	*Nalidixic acid	0.02
*Acridine hydrochloride (Trypaflavine)	0.012		
Final pH (at 25°C) 7.4±0.2			
* Harmful / Irritant material			
	Esculin CAS No. : 531-75-9 R : 20-21-22		
	Nalidixic acid CAS No. : 389-08-2 R : 40-42/43 S : 22-36/37-45 RTECS : QN 2885000		
	Acridine hydrochloride (Trypaflavine) CAS No. : 8063-24-9 R : 36/37/38 S : 26-36		
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			
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			



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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 at 2 - 8°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. Severe inflammation of the colon. Appears to penetrate well into bone and central nervous system. Possesses neuromuscular blocking activity. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Target organ(s) : G.I. System

RTECS No. : QN 2885000

For complete information RTECS may be referred.

Section 12. Ecological Information

Data not available



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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 by inhalation Risk Phrases : Harmful in contact with skin Risk Phrases : Harmful if swallowed Risk Phrases : Limited evidence of a carcinogenic effect Risk Phrases : May cause sensitization by inhalation and skin contact Risk Phrases : Irritating to eyes, respiratory system and skin Safety Phrases : Do not breathe dust Safety Phrases : Wear suitable protective clothing & gloves Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
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.

DM405MSDS, QAD/FR/030, Rev.00/01.01.2018