








Dehydrated Culture Media
Bases / Media Supplements



Material Safety Data Sheet

Name of the Product		Listeria Enrichment Broth, Modified	
Code No.		DM1888	
Section 1	Chemical Identification		
	Code No.	:	DM1888
	Name of the Product	:	Listeria Enrichment Broth, Modified
	Produced by	:	Central Drug House Pvt. Ltd.
	Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)
	Tel. No.	:	00 91 11 49404040
Section 2	Composition	Grams/Litre	Ingredients
	Ingredients		
	Tryptose	10.00	Yeast extract
	Beef extract	5.00	Sodium chloride
	Disodium hydrogen phosphate	9.60	Monopotassium hydrogen phosphate
	*Esculin	1.00	*Nalidixic acid
	*Acriflavine 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		
	Acriflavine hydrochloride (Trypaflavine)		
	CAS No. : 8063-24-9		
	R : 36/37/38 S : 26-36		
Section 3	Hazards 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. In case 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 separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.		
Section 5	Fire Fighting Measures		
	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. Unusual fire and explosion hazards. Emits toxic fumes under fire conditions.		
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.		



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Section 9	<p>Physical and Chemical Properties</p> <p>Appearance : Homogeneous powder Colour : Cream to yellow</p>
Section 10	<p>Stability and Reactivity</p> <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. 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.</p>
Section 11	<p>Toxicological Information</p> <p>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.</p>
Section 12	<p>Ecological Information</p> <p>Data not available</p>
Section 13	<p>Disposal Considerations</p> <p>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.</p>
Section 14	<p>Transport Information</p> <p>UN No. : Not applicable.</p>
Section 15	<p>Regulatory Information</p> <p>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)</p> <p> 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.</p> <p> Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.</p>
Section 16	<p>Other Information</p> <p>The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.</p>