








Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		Lactobacillus MRS Agar (MRS Agar)	
Code No.		DM1641	
Section 1	Chemical Identification		
	Code No.	:	DM1641
	Name of the Product	:	Lactobacillus MRS Agar (MRS Agar)
	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		Grams/Litre
	Proteose peptone	10.00	Beef extract
	Yeast extract	5.00	Dextrose
	*Polysorbate 80	1.00	*Ammonium citrate
	Sodium acetate	5.00	Magnesium sulphate
	*Manganese sulphate	0.05	Dipotassium phosphate
	Agar	12.00	
	Final pH (at 25°C)	6.5±0.2	
	* Irritant / Harmful / Dangerous for the environment material		
	Polysorbate 80		
	CAS No. : 9005-65-6		
	RTECS : WG 29325000		
	Ammonium citrate		
	CAS No. : 3458-72-8		
	R : 36/37/38 S : 26-36		
	Manganese sulphate		
	CAS No. : 10034-96-5		
	R : 48/20/22-51/53 S : 22-61		
	RTECS : OP 0893500		
Section 3	Hazards Identification		
	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 : 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 : 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.		
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.		
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		



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	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 light 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. : OP 0893500 WG 29325000 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 : Irritating to eyes, respiratory system and skin Risk Phrases : Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed Risk Phrases : 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 Safety Phrases: Do not breathe dust Safety Phrases : Avoid release to the environment. Refer to special instructions/Safety data sheets Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs. 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
Section 16	Other Information 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.



Skin Irritation



Skin Irritation



Hazardous to the aquatic environment