












Dehydrated Culture Media
Bases / Media Supplements


Material Safety Data Sheet

Name of the Product		Lysine Medium Base		
Code No.		DM1642		
Section 1	Chemical Identification			
	Code No.	:	DM1642	
	Name of the Product	:	Lysine Medium Base	
	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	Grams/Litre
	Ingredients			
	Dextrose	44.50	Monopotassium phosphate	1.78
	Magnesium sulphate	0.89	*Calcium chloride	0.178
	Sodium chloride	0.089	Adenine	0.00178
	DL-Methionine	0.000891	L-Histidine	0.000891
	DL-Tryptophan	0.000891	*Boric acid	0.0000089
	*Zinc sulphate	0.0000356	Ammonium molybdate	0.0000178
	Manganese sulphate	0.0000356	*Ferrous sulphate	0.0002225
	L-Lysine	1.00	Inositol	0.02
	Calcium pantothenate	0.002	Aneurine	0.0004
	Pyridoxine	0.0004	*p-Amino benzoic acid (PABA)	0.0002
	*Nicotinic acid	0.0004	Riboflavin	0.0002
	Biotin	0.000002	Folic acid	0.000001
	Agar	17.80		
	Final pH (at 25°C)	5.0±0.2		
	* Irritant / Harmful / Dangerous for the environment material			
	Calcium chloride			
	CAS No. : 10043-52-4			
	R : 36 S : 22-24			
	RTECS : EV 9800000			
				
	Boric acid			
	CAS No. : 10043-35-3			
	R : 22-36/37/38 S : 22-36/37			
	RTECS : ED 4550000			
				
	Zinc sulphate			
	CAS No. : 7446-19-7			
	R : 36/38-50/53 S : 22-25-60-61			
	RTECS : ZH 5300000			
 				
	Ferrous sulphate			
	CAS No. : 10028-22-5			
	R : 22			
	RTECS : NO 8500000			
				
	p-Amino benzoic acid			
	CAS No. : 150-13-0			
	R : 22-36/37/38-43 S : 26-36			
	RTECS : DG 1400000			
				
	Nicotinic acid			
	CAS No. : 59-67-6			
	R : 36/37/38 S : 26-36			
	RTECS : QT 0525000			
				
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.			



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 <small>Hazardous to the aquatic environment</small>	<p>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.</p>
Section 4	<p>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.</p>
Section 5	<p>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.</p>
Section 6	<p>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.</p>
Section 7	<p>Handling and Storage Handling - Refer to Section 8 Storage - Store below 30°C</p>
Section 8	<p>Exposure Controls / Personal Protection Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.</p>
Section 9	<p>Physical and Chemical Properties Appearance : Homogeneous powder Colour : Off white to cream</p>
Section 10	<p>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.</p>
Section 11	<p>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. : EV 9800000 ED 4550000 ZH 5300000 NO 8500000 DG 1400000 QT 0525000 For complete information RTECS may be referred.</p>
Section 12	<p>Ecological Information Data not available</p>
Section 13	<p>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.</p>
Section 14	<p>Transport Information UN No. : Not applicable.</p>
Section 15	<p>Regulatory Information Risk Phrases : Irritating to eyes Risk Phrases : Harmful if swallowed Risk Phrases : Irritating to eyes, respiratory system and skin Risk Phrases : Irritating to eyes and skin Risk Phrases : Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment Risk Phrases : May cause sensitization by skin contact Safety Phrases : Do not breathe dust Safety Phrases : Avoid contact with skin Safety Phrases : Avoid contact with eyes SAfety Phrases : Wear suitable protective clothing and gloves Safety Phrases : This material and its container must be disposed of as hazardous waste Safety Phrases : Avoid release to the environment, Refer to special instructions/ Safety data sheets Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and medical advice</p>



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	Safety Phrases : Wear suitable protective clothing
 Skin Irritation	Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.
 Skin Irritation	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.
 Hazardous to the aquatic environment	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.