












Dehydrated Culture Media
Bases / Media Supplements




Material Safety Data Sheet

Name of the Product		SD Agar		
Code No.		DM 2371		
Section 1	Chemical Identification			
	Code No.	:	DM 2371	
	Name of the Product	:	SD 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	Chemical Ingredients	Grams/Litre	Ingredients	Grams/Litre
	Dextrose	20.00	*Ammonium sulphate	5.00
	Biotin	0.00002	Calcium pantothenate	0.002
	Folic acid	0.000002	inositol	0.01
	Niacin	0.0004	*Aminobenzioc acid (PABA)	0.0002
	*Pyridoxine hydrochloride	0.0004	Riboflavin	0.0002
	Thiamine hydrochloride	0.0004	Boric acid	0.0005
	*Copper sulphate	0.00004	Potassium iodide	0.0001
	*Ferric chloride	0.0002	*Maganese sulphate	0.0004
	*Sodium molybdate	0.0002	*Zinc sulphate	0.0004
	Potassium dihydrogen phosphate	0.85	Dipotassium hydrogen phosphate	0.15
	Magnesium sulphate	0.50	Sodium chloride	0.10
	*Calcium chloride	0.10	Agar	20.0
	* Harmful / Irritant / Dangerous for Environment / Corrosive material			
	Information on Ingredients			
	Ammonium sulphate CAS No. : 7783-20-2 R : 36/37/38 S : 26-36 RTECS : BS 4500000			
	Aminobenzioc acid (PABA) CAS No. : 150-13-0 R : 22-36/37/38-43 S : 26-36 RTECS : DG 1400000			
	Pyridoxine hydrochloride CAS No. : 58-56-0 R : 36/37/38 S : 26-36 RTECS : UV 1350000			
	Copper sulphate CAS No. : 7758-98-7 R : 22-36/38-50/53 S : 22-60-61 RTECS : GL 8800000			
	Ferric chloride CAS No. : 7705-08-0 R : 22-34 S : 26-27-36/37/39 RTECS : LJ 9100000			
 	Maganese sulphate CAS No. : 10034-96-5 R : 48/20/22-51/53 S : 22-61 RTECS : OP 0893500			
	Sodium molybdate CAS No. : 10102-40-6 R : 36/37/38 S : 26-36 RTECS : QA 5085000			
Section 3	Hazards Identification			
	Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Nonrecurring, 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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	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.
	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 : Living tissue as well as equipment are destroyed on contact with these chemicals. Caution : Do not breathe vapours and avoid contact with skin, eyes and clothing.
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 firefighting procedures. Wear selfcontained 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 : 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°. 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. : BS 4500000 DG 1400000 UV 1350000 GL 8800000 LJ 9100000 OP 0893500 QA 5085000 XH 9800000 EV 9810000 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 and skin Risk Phrases : Irritating to eyes Risk Phrases : Irritating to eyes, respiratory system and skin Risk Phrases : Harmful if swallowed Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Risk Phrases : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Risk Phrases : Causes burns Risk Phrases : May cause sensitization by skin contact



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	<p>Risk Phrases : Harmful:danger of serious damage to health by prolonged exposure through inhalation and if swallowed Safety Phrases : Do not breathe dust Safety Phrases : In case of contact with eyes, rines immediately with plenty of water and seek medical advice Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection Safety Phrases : Wear suitable protective clothing Safety Phrases : Avoid contact with eyes Safety Phrases : This material and its container must be disposed of as hazardous waste Safety Phrases : Take off immediately all contaminated clothing Safety Phrases : Avoid release to the environment. Refer to special instructions/Safety data sheets</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 : 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.</p>
	<p>Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.</p>
	<p>Significance of signs : Living tissue as well as equipment are destroyed on contact with these chemicals.</p>
Section 16	<p>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 users' obligation to investigate and determine the suitability of the information for their particular purpose.</p>