



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		Middlebrook 7H10 Agar Base		
Code No.		DM 1199		
Section 1	Chemical Identification			
	Code No.	:	DM 1199	
	Name of the Product	:	Middlebrook 7H10 Agar Base	
	Produced by	:	Centrals Drug House Pvt. Ltd.	
	Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)	
	Tel. No.	:	00 91 11 49404040	
Section 2	Composition Ingredients	Grams/Litre	Ingredients	Grams/Litre
	*Ammonium sulphate	0.50	L-Glutamic acid	0.50
	Monopotassium phosphate	1.50	Disodium phosphate	1.50
	Sodium citrate	0.40	*Ferric ammonium citrate	0.04
	Magnesium sulphate	0.025	*Calcium chloride	0.0005
	*Zinc sulphate	0.001	*Copper sulphate	0.001
	*Pyridoxine hydrochloride	0.001	Biotin	0.0005
	*Malachite green	0.00025	Agar	15.00
	Final pH (at 25°C)	6.6±0.2		
	* Irritant / Harmful / Dangerous for environment material			
	Ammonium sulphate CAS No. : 7783-20-2 R : 36/37/38 S : 26-36 RTECS : BS 4500000			
	Calcium chloride CAS No. : 10043-52-4 R : 36 S : 22-24 RTECS : EV 9800000			
	Zinc sulphate CAS No. : 7446-20-0 R : 36/38-50/53 S : 22-25-60-61 RTECS : ZH 5300000			
	Copper sulphate CAS No. : 7758-98-7 R : 22-36/38-50/53 S : 22-60-61 RTECS : GL 8800000			
	Ferric ammonium citrate CAS No. : 1185-57-5 R : 36/37/38 S : 26-36 RTECS : GE 7540000			
	Pyridoxine hydrochloride CAS No. : 58-56-0 R : 36/37/38 S : 26-36 RTECS : UV 1350000			
	Malachite green CAS No. : 569-64-2 R : 20/21/22-38 S : 26-37/39 RTECS : BQ 1180000			
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 : 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 : 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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Section 4	<p>First - Aid Measures</p> <p>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</p> <p>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</p> <p>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</p> <p>Handling - Refer to Section 8 Storage - Store below 30°C</p>
Section 8	<p>Exposure Controls / Personal Protection</p> <p>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</p> <p>Appearance : Homogeneous powder Colour : Light yellow to light green</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. 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. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. RTECS No. : BS 4500000 EV 9800000 ZH 5300000 GL 8800000 BQ 1180000 GE 7540000 UV 1350000 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 : Irritating to eyes, respiratory system and skin Risk Phrases : Irritating to eyes Risk Phrases : Irritating to eyes and skin Risk Phrases : Irritating to 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 : Harmful by inhalation, in contact with skin and if swallowed 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 : 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 : Do not breathe dust Safety Phrases : Avoid contact with skin Safety Phrases : Avoid contact with eyes Safety Phrases : Wear suitable gloves and eye/face protection</p>



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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.

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.