











Dehydrated Culture Media
Bases / Media Supplements



Material Safety Data Sheet

Name of the Product		Mannitol Selenite Broth W/Brillant Green (Twin Pack)	
Code No.		DM 2537	
Section 1	Chemical Identification		
	Code No.	:	DM 2537
	Name of the Product	:	Mannitol Selenite Broth W/Brillant Green (Twin Pack)
	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	Part B : Grams/Litre
	Part A : Ingredients		Ingredients
	Meat Peptone	5.0	*Sodium Selenite
	Yeast Extract	5.0	Final pH (at 25°C)
	Potassium dihydrogen phosphate	3.4	
	Dipotassium hydrogen phosphate	4.35	
	*Sodium taurocholate	1.0	
	*Brilliant green	0.005	
	Mannitol	5.0	
	* Irritant / Harmful / Toxic / Dangerous for Environment material		
	Sodium taurocholate		
	CAS No. : 145-42-6		
	R : 37		
	RTECS : WX 0400000		
	Brilliant green		
	CAS No. : 633-03-4		
	R : 22-36/38 S : 26-36		
	RTECS : BP 6825000		
 	Sodium Selenite		
	CAS No. : 10102-18-8		
	R : 23/25-33-50/53 S : 20/21-28-45-60-61		
	RTECS : VS 7350000		
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 : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.		
	Caution : Avoid contact with the human body, and immediately consult a doctor in cases of malaise.		
	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 firefighting procedures. Wear selfcontained 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.		



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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 <table> <tr> <td>Part A</td><td>Part B</td></tr> <tr> <td>Appearance : Homogeneous powder</td><td>Appearance : Crystalline powder</td></tr> <tr> <td>Colour : yellow coloured with green tinge</td><td>Colour : White</td></tr> </table>	Part A	Part B	Appearance : Homogeneous powder	Appearance : Crystalline powder	Colour : yellow coloured with green tinge	Colour : White
Part A	Part B						
Appearance : Homogeneous powder	Appearance : Crystalline powder						
Colour : yellow coloured with green tinge	Colour : White						
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. Decomposition products : If product is decomposed toxic fumes of Carbon monoxide and Carbon dioxide may evolve. Hazardous polymerization will not occur.						
Section 11	Toxicological Information 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. : WX 0400000 BP 6825000 VS 7350000 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 respiratory system Risk Phrases : Harmful if swallowed Risk Phrases : Danger of cumulative effects Risk Phrases : Toxic by inhalation and if swallowed Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic organisms 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 : Avoid release to the environment. Refer to special instructions/Safety data sheets Safety Phrases : When using do not eat, drink or smoke Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) Safety Phrases : After contact with skin, wash immediately with plenty of soap-suds 1. water 5. copper sulfate solution 2% 2. polyethylene glycol 400 6. polyethylene glycol/ethanol (1.1) 3. water and soap 4. ethanol Safety Phrases : This material and its container must be disposed of a hazardous waste						
	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.						



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Acute toxicity

Significance of signs : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.



Hazardous to the aquatic environment

Section 16

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.

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.