



Dehydrated Culture Media  
Bases / Media Supplements

# Material Safety Data Sheet

Name of the Product **Fluid Selenite Cystine Medium (Selenite Cystine Broth) (Twin pack)**  
Code No. **DM 1025**

Section 1 : **Chemical Identification**

Code No. : DM 1025  
Name of the Product : Fluid Selenite Cystine Medium (Selenite Cystine Broth) (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 Ingredients	Grams/Litre	Ingredients	Grams/Litre
	Part A:			
	Casein enzymic hydrolysate	5.00	Lactose	4.00
	Sodium phosphate	10.00	L-Cystine	0.01
	Part B:			
	*Sodium hydrogen selenite	4.00		
	Final pH (at 25°C)	7.0±0.2		
	* Toxic material/Dangerous for environment			



**Information on Ingredients**

Sodium hydrogen selenite  
CAS No. : 7782-82-3  
R : 23/25-33-50/53 S : 20/21-28-45-60-61  
RTECS : VS 7500000

Section 3 **Hazards Identification**



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 self-contained 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.

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**

Part A: Appearance : Homogeneous powder  
Colour : Cream to yellow  
Part B: Appearance : Crystalline powder  
Colour : White to cream



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Section 10	<p><b>Stability and Reactivity</b></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.</p> <p>Conditions to avoid : Heat and light.</p> <p>Decomposition products : If product is decomposed toxic fumes of Carbon monoxide and Carbon dioxide may evolve. Hazardous polymerization will not occur.</p>
Section 11	<p><b>Toxicological Information</b></p> <p>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.</p> <p>Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.</p> <p>Target organ(s) : G.I. system</p> <p>RTECS No. : VS 7500000</p> <p>For complete information RTECS may be referred</p>
Section 12	<p><b>Ecological Information</b></p> <p>Data not available</p>
Section 13	<p><b>Disposal Considerations</b></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><b>Transport Information</b></p> <p>UN No. : Not applicable.</p>
Section 15	<p><b>Regulatory Information</b></p> <p>Risk Phrases : Toxic by inhalation and if swallowed</p> <p>Risk Phrases : Danger of cumulative effects</p> <p>Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</p> <p>Safety Phrases : When using do not eat, drink or smoke</p> <p>Safety Phrases : After contact with skin, wash immediately with plenty of water.</p> <p>Safety Phrases : This material and its container must be disposed of as hazardous waste</p> <p>Safety Phrases : Avoid release to the environment. Refer to special instructions/Safety data sheet</p> <p>Safety Phrases : In case of accident with eyes or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>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.</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 ter.</p>
Section 16	<p><b>Other Information</b></p> <p>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.</p>



Acute toxicity



Hazardous to the aquatic environment