











Dehydrated Culture Media
Bases / Media Supplements



Material Safety Data Sheet

Name of the Product		Clausen Medium		
Code No.		DM1552		
Section 1	: Chemical Identification			
	Code No.	:	DM1552	
	Name of the Product	:	Clausen Medium	
	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			
	Casein enzymic hydrolysate	15.00	Papaic digest of soyabean meal	3.00
	Yeast extract	6.00	Dextrose	6.00
	Sodium chloride	2.50	Dipotassium phosphate	2.00
	Sodium citrate	1.00	L-Cystine	0.50
	L-Asparagine	1.25	*Sodium dithionite	0.40
	*Sodium thioglycollate	0.50	Lecithin	0.30
	Magnesium sulphate	0.40	*Calcium chloride	0.004
	*Cobalt sulphate	0.001	*Cupric sulphate	0.001
	*Ferrous sulphate	0.001	*Zinc sulphate	0.001
	*Manganese chloride, 4H ₂ O	0.002	Resazurin	0.001
	Agar	0.75		
	Final pH (at 25°C)	7.1±0.2		
	* Harmful / Irritant material			
	Sodium dithionite			
	CAS No. : 7775-14-6			
	R : 7-22-31 S : 7/8-26-28-43.11			
	RTECS : XN 6476000			
	Sodium thioglycollate			
	CAS No. : 367-51-1			
	R : 22-36/37/38 S : 26-28			
	RTECS : AI 7700000			
	Calcium chloride			
	CAS No. : 10043-52-4			
	R : 36 S : 22-24			
	RTECS : EV 9800000			
	Cobalt sulphate			
	CAS No. : 10026-24-1			
	R : 20/22-36/37/38-43 S : 26-36/37			
	RTECS : GG 3200000			
	Cupric sulphate			
	CAS No. : 7758-98-7			
	R : 22-36/38 S : 22			
	RTECS : GL 8800000			
	Ferrous sulphate			
	CAS No. : 7782-63-0			
	R : 22-36/37/38 S : 26-36			
	RTECS : NO 8510000			
	Zinc sulphate			
	CAS No. : 7446-20-0			
	R : 36/38 S : 22-25			
	RTECS : ZH 5300000			
	Manganese chloride			
	CAS No. : 13446-34-9			
	R : 22-36/37/38-48/20/22 S : 26-36/37/39			
	RTECS : OO 9650000			
Section 3	Hazards Identification			



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 <small>Skin Irritation</small>	<p>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.</p> <p>Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.</p>
 <small>Skin Irritation</small>	<p>Hazard : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.</p> <p>Caution : Do not breathe vapours and avoid contact with skin and eyes.</p>
<p>Section 4</p>	<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>
<p>Section 5</p>	<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>
<p>Section 6</p>	<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>
<p>Section 7</p>	<p>Handling and Storage Handling - Refer to Section 8 Storage - Store below 30°C</p>
<p>Section 8</p>	<p>Exposure Controls / Personal Protection Wear appropriate Niosh/Msha-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.</p>
<p>Section 9</p>	<p>Physical and Chemical Properties Appearance : Homogeneous powder Colour : Yellow</p>
<p>Section 10</p>	<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>
<p>Section 11</p>	<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. : XN 6476000 AI 7700000 EV 9800000 GG 3200000 GL 8800000 : NO 8510000 ZH 5300000 OO 9650000 For complete information RTECS may be referred.</p>
<p>Section 12</p>	<p>Ecological Information Data not available</p>
<p>Section 13</p>	<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>
<p>Section 14</p>	<p>Transport Information UN No. : Not applicable.</p>
<p>Section 15</p>	<p>Regulatory Information Risk Phrases : May cause fire Risk Phrases : Harmful if swallowed Risk Phrases : Contact with acids liberates toxic gas Risk Phrases : Irritating to eyes, respiratory system and skin Risk Phrases : Irritating to eyes Risk Phrases : Harmful by inhalation and if swallowed Risk Phrases : May cause sensitization by skin contact Risk Phrases : Irritating to eyes and skin Risk Phrases : Harmful : danger of serious damage to health by prolonged exposure through inhalation & if swallowed Safety Phrases: Keep container tightly closed and dry</p>



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Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Safety Phrases: After contact with skin, wash immediately with plenty of water.
Safety Phrases : In case of fire, use dry chemical, never use water
Safety Phrases : Do not breathe dust
Safety Phrases : Avoid contact with skin
Safety Phrases : Wear suitable protective clothing and gloves
Safety Phrases : Wear suitable protective clothing
Safety Phrases: Avoid contact with eyes
Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection



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.



Skin Irritation

Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

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.