













Dehydrated Culture Media
Bases / Media Supplements




Material Safety Data Sheet

Name of the Product		Inorganic Salt Medium (Modified Raggio's Medium)	
Code No.		DM1723	
Section 1	Chemical Identification		
	Code No.	:	DM1723
	Name of the Product	:	Inorganic Salt Medium (Modified Raggio's 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
	Ingredients		Grams/Litre
	*Calcium carbonate	3000.0	*Calcium chloride
	*Potassium chloride	165.00	Monopotassium phosphate
	Magnesium sulphate	700.00	Sodium sulphate
	*Potassium iodide	0.75	*Iron (III) Chloride
	*Boric acid	1.50	*Sodium molybdate
	*Manganese sulphate	6.64	*Zinc sulphate
	*Copper sulphate	0.07	
	* Irritant / Harmful / Corrosive / Dangerous for the environment material		
	Calcium carbonate		
	CAS No. : 471-34-1		
	R : 37/38-41 S : 26-39		
	RTECS : FF 9335000		
	Calcium chloride		
	CAS No. : 10043-52-4		
	R : 36 S : 22-24		
	RTECS : EV 9800000		
	Potassium chloride		
	CAS No. : 7447-40-7		
	R : 36/37/38 S : 26-36		
	RTECS : TS 8050000		
	Potassium iodide		
	CAS No. : 7681-11-0		
	R : 42/43 S : 22-36/37-45		
	RTECS : TT 2975000		
	Iron (III) Chloride		
	CAS No. : 7705-08-0		
	R : 22-34 S : 22-26-27-36/37/39-45		
	RTECS : LJ 9100000		
	Boric acid		
	CAS No. : 10043-35-3		
	R : 22-36/37/38 S : 26-36/37		
	RTECS : ED 4550000		
	Sodium molybdate		
	CAS No. : 10102-40-6		
	R : 36/37/38 S : 26-36		
	RTECS : QA 5085000		
	Manganese sulphate		
	CAS No. : 10034-96-5		
	R : 48/20/22-51/53 S : 22-61		
	RTECS : OP 0893500		
	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		



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	RTECS : GL 8800000
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.
 Skin Irritation	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.
 Skin Irritation	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.
 Hazardous to the aquatic 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 fire-fighting procedures. Wear self-contained 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 : White (may have slightly greenish tinge)
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. 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. : FF 9335000 EV 9800000 TS 8050000 TT 2975000 LJ 9100000 ED 4550000 QA 5085000 OP 0893500 ZH 5300000 GL 8800000 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 respiratory system and skin Risk Phrases : Risk of serious damage to eyes Risk Phrases : Irritating to eyes Risk Phrases : Irritating to eyes, respiratory system and skin



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Risk Phrases : May cause sensitization by inhalation and skin contact
 Risk Phrases : Harmful if swallowed
 Risk Phrases : Causes burns
 Risk Phrases : Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed
 Risk Phrases : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 Safety Phrases : Do not breathe dust
 Safety Phrases : Avoid contact with skin
 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 : Wear suitable protective clothing and gloves
 Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
 Safety Phrases : Take off immediately all contaminated clothing
 Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection
 Safety Phrases : Avoid contact with eyes
 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



Skin Irritation



Skin Irritation



Hazardous to the aquatic environment

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.

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.

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.