













Dehydrated Culture Media
Bases / Media Supplements


Material Safety Data Sheet

Name of the Product		MOF Medium (Marine Oxidation Fermentation Medium)	
Code No.		DM 1379	
Section 1	Chemical Identification		
	Code No.	:	DM 1379
	Name of the Product	:	MOF Medium (Marine Oxidation Fermentation 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		
	Ingredients	Grams/Litre	Ingredients Grams/Litre
	Casein enzymic hydrolysate	1.00	Yeast extract 0.10
	*Tris hydroxymethyl aminomethane	0.50	*Boric acid 0.011
	*Ammonium sulphate	0.50	Disodium phosphate 0.004
	*Ammonium nitrate	0.0008	Sodium chloride 9.70
	Magnesium chloride	0.40	Sodium sulphate 1.60
	*Calcium chloride	0.90	*Potassium chloride 0.275
	Sodium bicarbonate	0.08	*Potassium bromide 0.04
	Strontium chloride	0.017	*Sodium silicate 0.002
	*Sodium fluoride	0.0012	*Phenol red 0.01
	Agar	3.00	
	Final pH (at 25°C)	8.0±0.2	
	* Irritate / Harmful / Oxidising / Corrosive / Toxic material		
	Tris hydroxymethyl aminomethane		
	CAS No. : 77-86-1		
	R : 36/37/38 S : 26-36		
	RTECS : TY 2900000		
	Boric acid		
	CAS No. : 10043-35-3		
	R : 21/22-36/37/38 : S : 26-36/37		
	RTECS : ED 4550000		
	Ammonium sulphate		
	CAS No. : 7783-20-2		
	R : 36/37/38 S : 26-36		
	RTECS : BS 4500000		
 	Ammonium nitrate		
	CAS No. : 6484-52-2		
	R : 8-36/37/38 S : 15-17-26-36		
	RTECS : BR 9050000		
	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 bromide		
	CAS No. : 7758-02-3		
	R : 36/37/38 S : 26-36		
	RTECS : TS 7650000		
	Sodium silicate		
	CAS No. : 1344-09-8		
	R : 35 S : 26-36/37/39-45		
	Sodium fluoride		
	CAS No. : 7681-49-4		
	R : 25-32-36/38 S : 22-36-45		
	RTECS : WB 0350000		



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	Phenol red CAS No. : 143-74-8 R : 36/37/38 S : 26-36 RTECS : SJ 7490000
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 : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult. Caution : Keep away from combustible material. Hazard : Living tissue as well as equipment are destroyed on contact with these chemicals. Caution : Do not breathe vapours and avoid contact with skin, eyes and clothing. 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.
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 free flowing powder Colour : Light yellow to pinkish purple
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. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. RTECS No. : TY 2900000 ED 4550000 BS 4500000 BR 9050000 EV 9800000 RTECS No. : TS 8050000 TS 7650000 WB 0350000 SJ 7490000 For complete information RTECS may be referred.
Section 12	Ecological Information Data not available



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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, respiratory system and skin Risk Phrases : Contact with combustible material may cause fire Risk Phrases : Irritating to eyes Risk Phrases : Causes severe burns Risk Phrases : Toxic if swallowed Risk Phrases : Contact with acids liberates very toxic gas Risk Phrases : Irritating to eyes and 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 : Keep away from heat Safety Phrases : Keep away from combustible material Safety Phrases : Do not breathe dust Safety Phrases : Avoid contact with skin Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
	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 : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.
	Significance of signs : Living tissue as well as equipment are destroyed on contact with these chemicals.
	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.
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.