










Dehydrated Culture Media
Bases / Media Supplements




Material Safety Data Sheet

Name of the Product		Vitamin B₁₂ Assay Medium	
Code No.		DM 1036	
Section 1	Chemical Identification		
	Code No.	:	DM 1036
	Name of the Product	:	Vitamin B ₁₂ Assay 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
	Casein acid hydrolysate	15.00	Dextrose
	Asparagine	0.20	Sodium acetate
	Ascorbic acid	4.00	L-Cystine
	DL-Tryptophan	0.40	Adenine sulphate
	*Guanine hydrochloride	0.02	Uracil
	Xanthine (Sodium)	0.02	Riboflavin (Vitamin B2)
	Thiamine hydrochloride	0.001	Biotin
	*Niacin	0.002	p-Amino benzoic acid
	Calcium pantothenate	0.001	Pyridoxine hydrochloride
	*Pyridoxal hydrochloride	0.004	Pyridoxamine hydrochloride
	Folic acid	0.0002	Monopotassium phosphate
	Dipotassium phosphate	1.00	Magnesium sulphate
	Sodium chloride	0.02	*Ferrous sulphate
	* Manganese sulphate	0.02	Polysorbate 80
	Final pH (at 25°C)	6.1 ± 0.2	
	* Irritant / Harmful / Dangerous for the environment material		
		Information on Ingredients	
		Guanine hydrochloride	
		CAS No. : 635-39-2	
		R : 36/37/38 S : 26-36	
		RTECS : MF 8400000	
		Niacin	
		CAS No. : 59-67-6	
		R : 36/37/38 S : 26-36	
		RTECS : QT 0525000	
		Pyridoxal hydrochloride	
		CAS No. : 65-22-5	
		R : 22	
		RTECS : UV 1225000	
		Ferrous sulphate	
		CAS No. : 7782-63-0	
		R : 22-36/37/38 S : 26-36	
		RTECS : NO 8510000	
		Manganese sulphate	
		CAS No. : 10034-96-5	
		R : 48/20/22 S : 22	
		RTECS : OP 0893500	
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.	



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	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 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 8°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 : Powder having tendency to form soft lumps, which can be easily broken down to powder form Colour : Cream to yellow
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. : MF 8400000 QT 0525000 UV 1225000 NO 8510000 OP 0893500 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, respiratory system and skin Risk Phrases : Harmful if swallowed. Risk Phrases : Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed 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 : Do not breathe dust
	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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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.