













Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet




Name of the Product		Vitmino Growth Supplement, Modified (Twin pack)	
Code No.		MS 2215	
Section 1	: Chemical Identification		
	Code No.	:	MS 2215
	Name of the Product	:	Vitmino Growth Supplement, Modified (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		
	Part I :		
	Vitamin B ₁₂	0.5 mg	
	L-Glutamine		50.00 mg
	*Adeninesulphate		5.00 mg
	*Guaninehydrochloride		0.15 mg
	* p-Amino benzoic acid (PABA)		0.065 mg
	L-Cystine		5.5 mg
	NAD(CoenzymeI)		1.25 mg
	Coccarboxylase		0.5 mg
	*Ferricnitrate		0.1 mg
	Thiaminehydrochloride		0.015 mg
	*L-Cysteine hydrochloride		129.5 mg
	Part II (Rehydrating fluid) :		
	Dextrose		0.5 gm
	Distilledwater		5.0 ml
	*Irritant/Harmful/Oxidizingmaterial		
	Adeninesulphate		
	CAS No.	:	321-30-2
	R	:	22
	RTECS	:	AU 7140000
	S	:	22-24/25
	Guaninehydrochloride		
	CAS No.	:	635-39-2
	R	:	36/37/38
	RTECS	:	MF 8400000
	S	:	26-36
	Ferric nitrate		
 	CAS No.	:	7782-61-8
	R	:	36/37/38
	RTECS	:	NI 7175000
	S	:	17-26-36
	L-Cysteine hydrochloride		
	CAS No.	:	52-89-1
	R	:	36/37/38
	RTECS	:	HA 2275000
	S	:	26-36
	L-Cysteine		
	CAS No.	:	52-90-4
	R	:	22
	RTECS	:	HA 1600000

	<p>p-Aminobenzoic acid CAS No. : 150-13-0 R : 22-36/37/38-43 S : 26-36/37 RTECS : DG 1400000</p>
Section 3	Hazards Identification
  	<p>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.</p> <p>Hazard : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting More difficult. Caution : Keep away from combustible material.</p> <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. Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.</p>
Section 4	First - Aid Measures
	<p>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>
Section 5	Fire Fighting Measures
	<p>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.</p>
Section 6	Accidental Release Measures
	<p>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>
Section 7	Handling and Storage
	<p>Handling - Refer to Section 8 Storage - Store at 2 - 8°C</p>
Section 8	Exposure Controls / Personal Protection
	<p>Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.</p>
Section 9	Physical and Chemical Properties
	<p>Appearance : Part I - Homogeneous powder Part II - Clear liquid Colour : Part I - Light pink : Part II - Colourless</p>
Section 10	Stability and Reactivity
	<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. Conditions to avoid : Heat and light. Hazardous polymerization will not occur.</p>



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Section 11	Toxicological Information
	<p>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.</p> <p>RTECS No. : AU 7140000 MF 8400000 NI7175000 HA 2275000 HA1600000 DG1400000</p> <p>For complete information RTECS may be referred</p>
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
	<p>Risk Phrases : Harmful if swallowed Risk Phrases : Irritating to eyes, respiratory system and skin Risk Phrases : May cause sensitization by skin contact Safety Phrases : Do not breathe dust Safety Phrases : Avoid contact with skin and eyes 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</p> <p> Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.</p> <p> Significance of signs : Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.</p> <p> 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.</p>
Section 16	Other Information
	<p>Further 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.</p>