






















Name of the Product		Yeast Nitrogen Base w/o Amino Acids & Ammonium Sulphate		
Code No.		DM 1151		
Section 1	Chemical Identification			
	Code No.	:	DM 1151	
	Name of the Product	:	Yeast Nitrogen Base w/o Amino Acids & Ammonium Sulphate	
	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
	Biotin	0.000002	Calcium pantothenate	0.0004
	Folic acid	0.000002	Inositol	0.002
	*Niacin	0.0004	*p-Amino benzoic acid (PABA)	0.0002
	Pyridoxine hydrochloride	0.0004	Riboflavin (Vitamin B2)	0.0002
	Thiamine hydrochloride	0.0004	*Boric acid	0.0005
	*Copper sulphate	0.00004	*Potassium iodide	0.0001
	*Ferric chloride	0.0002	*Manganese sulphate	0.0004
	*Sodium molybdate	0.0002	*Zinc sulphate	0.0004
	Monopotassium phosphate	1.00	Magnesium sulphate	0.500
	Sodium chloride	0.100	*Calcium chloride	0.100
	Final pH (at 25°C)	4.5±0.2		
	* Irritant / Harmful material			
	Niacin CAS No. : 59-67-6 R : 36/37/38 S : 26-36 RTECS : QT 0525000			
	p-Amino benzoic acid CAS No. : 150-13-0 R : 22-36/37/38-43 S : 26-36 RTECS : DG 1400000			
	Boric acid CAS No. : 10043-35-3 R : 22-36/37/38 S : 26-36/37 RTECS : ED 4550000			
 	Copper sulphate CAS No. : 7758-98-7 R : 22-36/38-50-53 S : 22-60-61 RTECS : GL 8800000			
	Potassium iodide CAS No. : 7681-11-0 R : 42/43 S : 22-36/37-45 RTECS : TT 2975000			
 	Ferric chloride CAS No. : 7705-08-0 R : 22-34 S : 22-26-27-36/37/39-45 RTECS : LJ 9100000			
 	Manganese sulphate CAS No. : 10034-96-5 R : 48/20/22-51/53 S : 22-61 RTECS : OP 0893500			
	Sodium molybdate CAS No. : 10102-40-6 R : 36/37/38 S : 26-36 RTECS : QA 5085000			
 	Zinc sulphate CAS No. : 7446-20-0 R : 36/38-50/53 S : 22-25-60-61			

RTECS : ZH 5300000	
	Calcium chloride CAS No. : 10043-52-4 R : 36 S : 22-24 RTECS : EV 9800000
Section 3	<b>Hazards Identification</b> 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 : 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.
	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.
Section 4	<b>First - Aid Measures</b> 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	<b>Fire Fighting Measures</b> 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	<b>Accidental Release Measures</b> 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	<b>Handling and Storage</b> Handling - Refer to Section 8 Storage - Store below 8°C
Section 8	<b>Exposure Controls / Personal Protection</b> Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
Section 9	<b>Physical and Chemical Properties</b> Appearance : Homogeneous powder Colour : White to cream
Section 10	<b>Stability and Reactivity</b> 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	<b>Toxicological Information</b> 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. : QT 0525000 DG 1400000 ED 4550000 GL 8800000 TT 2975000 LJ 9100000 OP 0893500 QA 5085000 ZH 5300000 EV 9800000 For complete information RTECS may be referred.

Section 12	<b>Ecological Information</b> Data not available
Section 13	<b>Disposal Considerations</b> 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	<b>Transport Information</b> UN No. : Not applicable.
Section 15	<b>Regulatory Information</b> <p>Risk Phrases : Irritating to eyes, respiratory system and skin  Risk Phrases : Harmful if swallowed  Risk Phrases : Irritating to eyes and skin  Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  Risk Phrases : May cause sensitization by inhalation and skin contact  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.  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 : Do not breathe dust  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  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 : In case of fire, use ..... extinguisher  1. dry chemical 2. special powder for material fire  3. dry sand 4. never use water  5. water  Safety Phrases : Avoid contact with eyes  Safety Phrases : Avoid contact with skin</p> <p> <b>Significance of signs :</b> This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.</p> <p> <b>Significance of signs :</b> 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> <b>Hazard :</b> 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.  <b>Caution :</b> Avoid release to the environment.</p> <p> <b>Hazard :</b> Living tissue as well as equipment are destroyed on contact with these chemicals.</p>
Section 16	<b>Other Information</b> <p>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>