



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product

***Yeast Nitrogen Base**

Code No.

DM 1139

Section 1 : **Chemical Identification**

Code No. : DM 1139
Name of the Product : *Yeast Nitrogen Base
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
	*Ammonium sulphate	5.00	L-Histidine hydrochloride	0.01
	DL-Methionine	0.02	DL-Tryptophan	0.02
	Biotin	0.000002	Calcium pantothenate	0.0004
	Folic acid	0.000002	Inositol	0.002
	*Niacin	0.0004	*p-Amino benzoic acid	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	0.50
	Sodium chloride	0.10	*Calcium chloride	0.10
	Final pH (at 25°C)	5.4±0.2		
	* Irritant / Harmful / Dangerous for the environment / Corrosive material			



Ammonium sulphate

CAS No. : 7783-20-2

R : 36/37/38 S : 26-36

RTECS : BS 4500000

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 : 26-27-36/37/39

RTECS : LJ 9100000

Manganese sulphate



CAS No. : 7785-87-7

R : 48/20/22-51/53 S : 22-61

RTECS : OP 1050000

Sodium molybdate



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CAS No. : 10102-40-6

R : 36/37/38 S : 26-36

RTECS :QA 5085000

Zinc sulphate



CAS No. : 7446-19-7

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

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 : 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

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 at 2 - 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 : Homogeneous powder

Colour : Cream to white

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. : BS 4500000 QT 0525000 DG 1400000 ED 4550000 GL 8800000 TT 2975000 LJ 9100000 OP 1050000 QA 5085000 EV 9800000 ZH 5300000 For complete information RTECS may be referred.



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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 in contact with skin and if swallowed 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 : 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 : Irritating to 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 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 : Take off immediately all contaminated clothing Safety Phrases : Do not breathe dust 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) Safety Phrases : Avoid release to the environment Safety Phrases : Avoid contact with eyes Safety Phrases : Avoid contact with skin Significans of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs. Significans 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. Significans 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. Significans of signs : Living tissue as well as equipment are destroyed on contact with these chemicals.
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.

