

Name of the Product : **WL Nutrient Medium**
 Code No. : **M115**
 Section 1 : **Chemical Identification**
 Code No. : M115
 Name of the Product : WL Nutrient Medium
 Produced by : HiMedia Laboratories Pvt. Ltd.
 Address : 23, Vadhani Indl. Estate, LBS Marg, Mumbai 400 086, India.
 Tel. No. : 2500 0970, 2500 1607 Fax No. 022 2500 2468

Section 2 : **Composition**

Ingredients	Grams/Litre	Ingredients	Grams/Litre
Casein enzymic hydrolysate	5.00	Yeast extract	4.00
Dextrose	50.00	Monopotassium phosphate	0.55
*Potassium chloride	0.425	*Calcium chloride	0.125
Magnesium sulphate	0.125	*Ferric chloride	0.0025
*Manganese sulphate	0.0025	Bromo cresol green	0.022
Agar	20.00		

Final pH (at 25°C) 5.5±0.2

* Irritant / Harmful material/Corrosive/ Dangerous for the environment



Potassium chloride
 CAS No. : 7447-40-7
 R : 36/37/38 S : 26-36
 RTECS : TS 8050000



Calcium chloride
 CAS No. : 10043-52-4
 R : 36 S : 22-24
 RTECS : EV 9800000



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

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 : 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 : 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 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 powder

Colour : Light yellow to light green

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. : TS 8050000 EV 9800000 LJ 9100000 OP 1050000

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 : Irritating to eyes

Risk Phrases : Harmful if swallowed

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,

Risk Phrases : 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 : Do not breathe dust

Safety Phrases : Avoid contact with skin

Safety Phrases : Take off immediately all contaminated clothing

Safety Phrases : Keep container tightly closed and dry

Safety Phrases : Wear suitable protective clothing, gloves and eye/face protection

Safety Phrases : Avoid release to the environment. Refer to special instructions/ Safety data sheets



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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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.

