

Material Safety Data Sheet

Name of the Product ISP Medium No.7 (Tyrosine Agar)

Code No. DM 1362

Section 1 : Chemical Identification

Code No. : DM 1362

Name of the Product : ISP Medium No.7 (Tyrosine Agar)
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: Formula adjusted, standardiged to suit performance parameter

Ingredients	Grams/Litre	Ingredients	Grams/Litre
L-Asparagine	1.00	L-Tyrosine	
Dipotassium phosphate	0.50	Magnesium sulphate, 7H2O	
Sodium chloride	0.50	Ferrous sulphate, 7H2O	
** Trace salt solution (ml)	1.00	Agar	
** 1 ml of trace solution contains	1.36 mg	Copper chloride, 2H2O	0.027 mg
Ferrous sulphate, 7H2O	0.04 mg	Sodium molybdate, 2H22O	0.025 mg
Cobalt chloride, 6H2O	0.02 mg	Boric acid	2.85 mg
Zinc chloride	1.80 mg	Sodium tartarate	1.77 mg

Manganese chloride, 4H2O

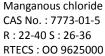
* Irritant / Harmful / Dangerous for Enviorment material



Ferrous sulphate CAS No.: 7782-63-0 R: 22 S: 36/37/39 RTECS: NO 8510000 L-Asparagine



L-Asparagine CAS No. : 70-47-3 S : 22-24/25





L-Tyrosine CAS No. : 60-18-4 R : 36/37/38 S : 26-36 RTECS : YP 2275600 Zinc sulphate



CAS No.: 7446-20-0 R: 36/38-50-53 S: 22-25-60-61

RTECS: ZH 5300000



Copper sulphate CAS No. : 7758-98-7

R: 22-36/38-50/53 S: 22-60-61

RTECS: GL 8800000



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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Hazardous to the aquatic environment	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 selfcontained 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 : 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 looses 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.: NO 8510000 LR 0350000 OO 9625000 YP 2275600 ZH 5300000 GL 8800000 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.		
	Risk Phrases: Harmful if swallowed Risk Phrases: Irritating to eyes, respiratory system and skin Risk Phrases: Limited evidence of a carcinogenic effect Risk Phrases: Very toxic to aquatic organisms Risk Phrases: May cause long-term adverse effects in the aquatic environment Risk Phrases: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Safety Phrases: Wear suitable protective clothing, gloves and eye/face protection Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice Safety Phrases: Do not breathe dust Safety Phrases: Avoid contact with eyes 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: Wear suitable protective clothing, gloves and eye/face protection		



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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

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