

Name of the Product : **Kanamycin Esculin Azide Agar, Granulated**  
 Code No. : **GM510**  
 Section 1 : **Chemical Identification**  
 Code No. : GM510  
 Name of the Product : Kanamycin Esculin Azide Agar, Granulated  
 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	20.00	Yeast extract	5.00
Sodium chloride	5.00	Sodium citrate	1.00
Esculin	1.00	* Ferric ammonium citrate	0.50
*Sodium azide	0.15	*Kanamycin Sulphate	0.02
Agar	12.00		
Final pH (at 25°C) 7.0±0.2			

\* Irritant / Toxic material



Sodium azide  
 CAS No. : 26628-22-8  
 R : 28-32-50/53 S : 28-45-60-61  
 RTECS : VY 8050000



Kanamycin sulphate  
 CAS No. : 70560-51-9  
 R : 61 S : 53-36/37/39-45



Ferric ammonium citrate  
 CAS No. : 1185-57-5  
 R : 36/37/38 S : 26-36  
 RTECS : GE 7540000

Section 3 : **Hazards Identification**



Hazard : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.

Caution : Avoid contact with the human body, and immediately consult a doctor in cases of malaise.



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 : 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.

- 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.
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- 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.
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- 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.
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- Section 7 : **Handling and Storage**  
Handling - Refer to Section 8  
Storage - Store below 30°C
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- Section 8 : **Exposure Controls / Personal Protection**  
Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
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- Section 9 : **Physical and Chemical Properties**  
Appearance : Granular medium  
Colour : Cream to yellow
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- 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.  
Decomposition products : if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may evolve. Hazardous polymerization will not occur.
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- 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. : VY 8050000 GE 7540000  
For complete information RTECS may be referred.
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- Section 12 : **Ecological Information**  
Data not available
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- 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.
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- Section 14 : **Transport Information**  
UN No. : Not applicable.
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Section 15 : **Regulatory Information**

Risk Phrases : Very toxic if swallowed

Risk Phrases : Contact with acids liberates very toxic gas

Risk Phrases : May cause harm to the unborn child

Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Risk Phrases : Irritating to eyes, respiratory system and skin.

Safety Phrases : After contact with skin, wash immediately with plenty of water.

Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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 : Avoid exposure - obtain special instructions before use

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 : Wear suitable protective clothing



Significance of signs : The substances are very hazardous to health when breathed, swallowed or in contact with the skin and may even lead to death. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.



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.



Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

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.

