



Dehydrated Culture Media  
Bases / Media Supplements

## Material Safety Data Sheet

|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                   |             |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------|-------------|
| Name of the Product                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yersinia Enrichment Broth Base |                                                   |             |
| Code No.                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DM 2367                        |                                                   |             |
| Section 1                                                                                            | Chemical Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |                                                   |             |
|                                                                                                      | Code No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | :                              | DM 2367                                           |             |
|                                                                                                      | Name of the Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | :                              | Yersinia Enrichment Broth 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                                                                                            | Chemical Ingredients                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Grams/Litre                    | Ingredients                                       | Grams/Litre |
|                                                                                                      | Casein peptone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10.00                          | Yeast extract                                     | 1.00        |
|                                                                                                      | *Malachite green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.013                          | Disodium hydrogen phosphate                       | 2.00        |
|                                                                                                      | Final pH (at 25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5.8±0.2                        |                                                   |             |
|                                                                                                      | * Harmful material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                   |             |
| <br>Skin Irritation | Malachite green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                   |             |
|                                                                                                      | CAS No. : 510-13-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                   |             |
|                                                                                                      | R : 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                                   |             |
|                                                                                                      | RTECS : DN 8600000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                   |             |
|                                                                                                      | Section 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                                                   |             |
| <br>Skin Irritation | Hazards Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                                   |             |
|                                                                                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                                                   |             |
| 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 : Greenish Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                                   |             |
| 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. : DN 8600000                                                                                                                                                                                                                                                                                                                                                            |                                |                                                   |             |
|                                                                                                      | For complete information RTECS may be referred.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                   |             |
| Section 12                                                                                           | Ecological Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                                                   |             |
|                                                                                                      | Data not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                   |             |



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| Section 13                                                                        | <b>Disposal Considerations</b><br>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><br>UN No. : Not applicable.                                                                                                                                                                                                                                                                                                                                                   |
| Section 15                                                                        | <b>Regulatory Information</b><br>Risk Phrases : Harmful if swallowed                                                                                                                                                                                                                                                                                                                                       |
|  | Significance of signs : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health.<br>Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.                                                                                                                                                                            |
| Section 16                                                                        | <b>Other Information</b><br>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. |