



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product **Dubos Broth Base**
Code No. **DM 1067**
Section 1 : **Chemical Identification**
Code No. : DM 1067
Name of the Product : Dubos 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	Composition Ingredients	Grams/Litre	Ingredients	Grams/Litre
	Casein enzymic hydrolysate	0.50	L-Asparagine	2.00
	Polysorbate 80	0.20	Monopotassium phosphate	1.00
	Disodium phosphate	2.50	Ferric ammonium citrate	0.05
	Magnesium sulphate	0.01	*Calcium chloride	0.0005
	*Zinc sulphate	0.0001	*Copper sulphate	0.0001
	Final pH (at 25°C)	6.6±0.2		
	* Irritant material			



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



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

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.

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.



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Section 9	Physical and Chemical Properties Appearance : Homogeneous powder Colour : Light yellow to beige
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. : EV 9800000 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.
Section 15	Regulatory Information Risk Phrases : Irritating to eyes 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 : Harmful if swallowed Safety Phrases : Do not breathe dust 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 contact with skin Safety Phrases : Avoid contact with eyes  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.
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.