

Material Safety Data Sheet

Name of the Product Dubos Oleic Broth Base Code No. DM1839

Code No.
Section 1 : Chemical Identification

Code No. : DM1839

Name of the Product : Dubos Oleic 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: Formula adjusted, standardiged to suit performance parameter

Ingredients	Grams/Litre	Ingredients	Grams/Litre
Casein enzymic hydrolysate	0.50	Asparagine	1.00
* Ferric ammonium citrate	0.05	Magnesium sulphate	0.01
* Calcium chloride	0.0005	Monopotassium phosphate	1.00
* Zinc sulphate	0.0001	Dipotassium phosphate	2.50
* Copper sulphate	0.0001		
Final pH (at 25°C)	6.6±0.2		
* Irritant / Harmful / Dangerous for			
Enviorment material			



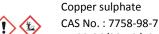
Ferric ammonium citrate CAS No. : 1185-57-5 R : 36/37/38 S : 26-36 RTECS : GE 7540000

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



Zinc sulphate CAS No.: 7446-19-7

R: 36/38-50-53 S: 22-25-60-61



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.



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



Material Safety Data Sheet

	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			
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.: GE 7540000 EV 9800000 GL 8800000 For complete information RTECS may be referred.			
Section 12	Ecological Information			
2000011 12	Data not available			
Section 13				
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.			
<u>(1)</u>	Regulatory Information Risk Phrases: Irritating to eyes Risk Phrases: Harmful if swallowed Risk Phrases: Irritating to eyes and skin Risk Phrases: Irritating to eyes, respiratory system and skin Risk Phrases: Very toxic to aquatic organisms Risk Phrases: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment 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: Do not breathe dust Safety Phrases: Avoid contact with skin 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 Significance of signs: This symbol designates substances which may have an irritant effect on skin,eyes and respiratory organs.			
Skin irritation	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.			
Hazardous to the	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	Other Information			

user's obligation to investigate and determine the suitability of the information for their particular purpose.