








MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: MS211 Novobiocin Supplement			
Manufacturer's Name & Address	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	Emergency Phone No.:	+91 22 25895505/ 25894681 /25894760
Reference:	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromaster lab.com
Section 2. Composition / Information on Hazardous Ingredients			
Composition		(per vial)	
*Novobiocin		20.00 mg	
*Irritant / Toxic /Dangerous for the environment material			
	Novobiocin CAS No. : 1476-53-5 R : 22-43 RTECS : RD 5425000	S : 36/37	
Section 3. Health Hazard 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: 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		
	Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as The non-aquatic environment (fauna, flora, and atmosphere) or which have a detrimental effect at longer term. Caution: Avoid release to the environment.		
	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 and Explosion Hazard Data			



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Non Combustible
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 at 2 - 8°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 : Yellow
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, and diarrhoea. Severe inflammation of the colon. Appears to Penetrate well into bone and central nervous system. Possesses neuromuscular blocking activity. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Target organ(s) : G.I. system RTECS No. : MA 4375000 QI 7800000 For complete information RTECS may be referred.
Section 12. Ecological Information
Data not available
Section 13. Disposal Considerations
Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Section 14. Transport Information
UN No. : Not applicable.
Section 15. Regulatory Information
Risk Phrases : May cause harm to the unborn child Risk Phrases : Very toxic if swallowed Risk Phrases : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



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Risk Phrases : Possible risk of irreversible effects

Risk Phrases : Irritating to eyes, respiratory system and skin

Risk Phrases : May cause sensitization by inhalation and skin contact

Safety Phrases : Avoid exposure - obtain special instructions before use.

1. Restricted to professional users

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

Safety Phrases: Avoid release to the environment. Refer to special instructions/Safety Data sheets

Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Safety Phrases: Do not breathe vapor . 1. Gas 2. Fumes 3. spray

Safety Phrases : Wear suitable protective clothing and gloves



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.



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: 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

WARRANTY :

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Micromaster Laboratories shall not be held liable for any damage resulting from handling or from contact with the above Product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute no warranty.

DISCLAIMER:

For Laboratory use only. Not for drug, household or other uses.

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