











MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity: MS114-Listeria Selective Supplement II			
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 25895505/25894681/2 5894760
Reference:	According to Regulation (EC) No.1907/2006	Email:	micromaster@micromasterlab.com
Section 2. Composition / Information on Hazardous Ingredients			
Ingredients	(per vial)		
*Acriflavine hydrochloride	15.00 mg		
*Nalidixic acid	40.00 mg		
*Cycloheximide	50.00 mg		
* Irritant / Harmful/ Toxic/ Dangerous for the environment material			
	Acriflavine hydrochloride CAS No. : 8063-24-9 R : 36/37/38 S : 26-36		
	Nalidixic acid CAS No. : 389-08-2 R : 40-42/43 S : 22-36/37-45 RTECS : QN 2885000		
 	Cycloheximide CAS No. : 66-81-9 R : 61-28.1-51/53-68 S : 53.1-45-61 RTECS : MA 4375000		
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 : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Nonrecurring, 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 : 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.		



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Section 4. First Aid Measures
<p>Description of first aid measures</p> <p>General advice Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p>If inhaled In case of swallowing, wash out mouth with water provided person is conscious.</p> <p>In case of skin contact flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes</p> <p>In case of eye contact 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.</p>
Section 5. Fire and Explosion Hazard Data
<p>Extinguishing media</p> <p>Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p> <p>Advice for firefighters Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p>
Section 6. Accidental Release Measures
<p>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.</p>
Section 7. Handling and Storage
<p>Handling - Refer to Section 8 Storage - Store at 2 - 8°C</p>
Section 8. Exposure Controls / Personal Protection
<p>Wear appropriate Niosh/Msha-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.</p>
Section 9. Physical and Chemical Properties
<p>Appearance : Homogeneous powder Colour : Buff to reddish brown</p>
Section 10. Stability and Reactivity
<p>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.</p> <p>Conditions to avoid: Heat and light.</p> <p>Decomposition products: if product is decomposed toxic fumes of carbon monoxide and carbon dioxide may evolve.</p> <p>Hazardous polymerization will not occur.</p>
Section 11. Toxicological Information
<p>Acute Effects : May be harmful if swallowed.</p>



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Exposure can cause : Stomach pains, vomiting, diarrhea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

RTECS No. :NO 85 10000 BP 68250 00

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 of by autoclaving and/or by incineration. Dispose of 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, respiratory system and skin

Risk Phrases : May cause cancer

Risk Phrases : May cause heritable genetic damage

Risk Phrases : Harmful if swallowed

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

Risk Phrases : Possible risk of irreversible effects

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

Safety Phrases : Wear suitable protective clothing

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 accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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



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 : 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.

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



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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.

MS114MSDS, QAD/FR/030, Rev. 00/01.01.2018