



# MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
<b>Product Name or Identity: MS162 Legionella Growth Supplement (Twin Pack)</b>			
<b>Manufacturer's Name &amp; Address</b>	Micromaster Laboratories Private Limited Unit 38/39, Kalpataru Industrial Estate, Off Ghodbunder Road, Nr. 'R-Mall' Thane (W)-400607. M.S. INDIA.	<b>Emergency Phone No.:</b>	+91 22 25895505/ 25894681 /25894760
<b>Reference</b>	According to Regulation (EC) No.1907/2006	<b>Email:</b>	micromaster@micromaster lab.com
Section 2. Composition / Information on Hazardous Ingredients			
<b>Composition</b>		<b>(per vial)</b>	
<b>Part A :</b>			
*L-Cysteine hydrochloride		200.0 mg	
Distilled water		5.00 ml	
<b>Part B :</b>			
Ferric pyrophosphate, soluble		125.0 mg	
*Sodium selenite		5.0 mg	
Distilled water		5.00 ml	
<b>Harmful / Toxic / Irritant/*Corrosive/ material</b>			
	L-Cysteine hydrochloride CAS No. : 52-89-1 R : 36/37/38 S : 26-36 RTECS : HA2275000	S : 26-39	
	Sodium selenite CAS No. : 10102-18-8 R : 23-28-31-43-51/53 RTECS : VS 7350000	S : 28-36/37-45-61	
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 vapors 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 : 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.		



## MATERIAL SAFETY DATA SHEET

### 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

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** : Part A : Crystalline powder

Part B : Clear liquid

**Colour** : Part A : Colourless

Part B : Colourless

### 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. : HA2275000 VS 7350000

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



# MATERIAL SAFETY DATA SHEET

control regulations.

## Section 14. Transport Information

UN No. : Not applicable.

## Section 15. Regulatory Information

Risk Phrases : Irritating to eyes, respiratory system and skin

Risk Phrases : Toxic by inhalation

Risk Phrases : Very toxic if swallowed

Risk Phrases : Contact with acids liberates toxic gas.

Risk Phrases : May cause sensitization by skin contact.

Risk Phrases : Toxic to aquatic organisms, 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 : Wear suitable protective clothing

Safety Phrases : When using do not eat, drink or smoke

Safety Phrases : After contact with skin, wash immediately with plenty of soap-suds.

1 water

2 polyethylene glycol 400

3 water and soap

4 ethanol

5 copper sulphate solution 2%

6 polyethylene glycol/ ethanol (1:1)

Safety Phrases : Wear suitable protective clothing and gloves

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



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.

## 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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