

MATERIAL OF SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF PRODUCT AND OF THE COMPANY

1.1 Product Name:	RootMax Mycorrhizal Liquid
1.2 Family / Group:	Microbial Bio-Fertilizer
1.3 Product Use:	Inoculant
1.4 Supplier:	Indo Gulf Company
1.5 Address:	101 Blue Bell Building, Inside Sitaram compound, Crawford Market, Mumbai 400001, India
1.6 Phone:	91-22-234455220 (Monday – Friday, 10:00 am to 6:00 pm)
1.7 Creation Date:	January 2024

SECTION 2 – HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture. This material is considered non-hazardous.	
2.2. Emergency overview:	Dark Brownish liquid
2.3. Most Important symptoms and effects	
2.3.1. Possible exposure:	Ingestion, inhalation and skin contact
2.3.2. Eye contact:	Non-irritant
2.3.3. Skin contact:	Non-irritant
2.3.4. Ingestion:	Non-toxic
2.3.5. Inhalation:	Non-toxic
2.4. Pictograms:	None
2.5. Signal word:	None

SECTION 3 – COMPOSITION OR INFORMATION ON INGREDIENTS

3.1 Raw material :	Liquid formulation containing infective propagules of mycorrhizal fungi
3.2 CAS No	NA

SECTION 4 – FIRST AID MEASURES

4.1 If Inhaled	Move to fresh air. If irritation or other symptoms occurs, get medical attention.
4.2 If on Skin:	Wash Skin with soap and water.
4.3 If in Eyes:	Rinse opened eye for several minutes under running water. If irritation persists or for foreign body in the eye, get medical attention.
4.4 If Swallowed:	If symptoms persist consult doctor.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flash Point:	Not applicable
5.2 Flammability Limits:	Not flammable

- 5.3 Autoignition temp. Not applicable
- 5.4 Fire Extinguishing Media. Use media that is appropriate for surrounding fire.
- 5.6 Unusual Fire and Explosion Hazards: None known

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Safety gear . Wear chemical safety glasses with side shields or chemical proof goggles, rubber gloves, rubber boots , long sleeved shirt , long pants, head cap , NIOSH approved dust or pesticide respirator with a dust filter.
- 6.2 Spills: Sweep the area keeping the dust to a minimum and place an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with absorbent material. Seal the container and handle in an approved manner

SECTION 7 – HANDLING STORAGE

- 7.1 Storage Temperature. Room temperature (Not more than 40 degree Celsius)
- 7.2 Storage requirements. Store the material in a well ventilated, clean, cool and dry place out of reach of children and domestic animals. Keep away from direct sunlight. Keep containers tightly closed when not in use. Do not store in metallic containers. Do not store along with chemical pesticides
- 7.3 Shelf Life : Use before expiry date printed on label
- 7.4 Special sensitivity. None
- 7.5 Handling precautions: Follow normal hygienic and housekeeping standards for agricultural products.

SECTION 8 – EXPOSURE CONTROLS PERSONAL PROTECTION

- 8.1 Oral Protection: Avoid eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling the product.
- 8.2 Eye protection: To avoid eye contact, wear safety goggles.
- 8.3 Skin protection: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants, headcap.
- 8.4 Respiratory / Ventilation : To avoid breathing dust, use adequate ventilation and requirement wear a NIOSH-approved dust or pesticide respirator with a dust filter.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Parameter	Results
Color	Dark Brownish Liquid
pH	6 (+ or – 2%)
Physical Nature	Liquid
Odour	Slightly Earthy odour
Miscibility	Miscible
Pathogens	Nil
Flash Point	70%

SECTION 10 – STABILITY AND REACTIVITY

- 10.1 Stability. Product is stable.
- 10.2 Hazardous Polymerization. Will not occur.
- 10.3 Hazardous Decomposition Products. None
- 10.4 Decomposition. Easily bio-degradable
- 10.5 Incompatibility. Strong acids or alkali compounds may inactivate biological cultures as well as strong oxidising agents, disinfectants and biocides. Chemical pesticides will inactivate the active ingredient completely.
- 10.6 Conditions to Avoid. Heat, flames, ignition sources and incompatibles. Excessive temperature variations, below 0°C or above 40 °C.

SECTION 11 – TOXICOLOGICAL INFORMATION

- 11.1 Toxicological studies Not applicable

A Note

Prolonged contact with eyes, skin and respiratory tract may cause irritation. The product is formulated using microbe specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

SECTION 12 ECOLOGICAL INFORMATION:

- 12.1 Totally bio-degradable in nature
- 12.2 Accumulation: Not anticipated to bioaccumulate
- 12.3 Do not apply on water bodies as it maybe toxic to aquatic life.
- 12.4 The product contains non-pathogenic, non-hazardous and non-toxic, naturally occurring constituents.
- 12.5 Other adverse effects: There is no ozone depletion, photochemical ozone creation or global warming potential.

SECTION 13 – DISPOSAL

- 13.1 Do not reuse product packing materials and residues. Dispose the product packing materials and residues according to local state and federal health and environmental regulations.
- 13.2 Destroy used containers and bury them 18 inches below the soil in non-crop land away from habitation and underground water course.
- 13.3 Dispose empty containers surplus material and washings from spray equipment in a safe manner so as to prevent environmental or water pollution or contamination of food and animal feed.
- 13.4 Never use the empty containers for storing food or water

SECTION 14 – TRANSPORT REGULATIONS INFORMATION

	<u>DOT</u>	<u>IMDG</u>
	<u>IATA</u>	
14.1 UN number.	Not applicable	Not applicable
14.2 Proper shipping name.	Not regulated under DOT	Not regulated
14.3 Hazard class(es):	Not applicable	Not applicable
14.4 Packing group:	Not applicable	Not applicable
14.5 Special precautions.	None	Not applicable



mailto:info@bioagusa.com



www.bioagusa.com



The product is not regarded as hazardous material for all modes of transportation

SECTION 15 – REGULATORY INFORMATION:

15.1 Classification	Not classified, Not hazardous according to current CHIP Regulation.
15.2 TSCA:	Not applicable
15.3 CERCLA Reportable Quantity:	Not applicable
15.4 SARA TITLE III Section 313 .	Not applicable
15.5 OSHA Hazard Classification:	Not applicable
15.6 WHMIS/ Controlled products regulation:	Not applicable.
15.7 Clean Air Act:	This formula does not contain any hazardous air pollutants
15.8 Clean Water Act.	None of the chemicals in this product are listed as hazardous, toxic or priority pollutants.
15.9 State Right-to-Know Lists.	Not applicable
15.10 Exposure Limits.	Not applicable

SECTION 16 – Other Information

HMS Ratings:

Health – 0

Flammability – 0

Reactivity – 0

SDS preparation date : January 2024

Replaces SDS dated : NS

Changes since last revision : New SDS

This product is for agricultural use only.

Notice: This SDS was prepared and is to be used for this product in its present form. If this material is altered or used as a component in another material, the information on this SDS may not be acceptable. This document is generated for the purpose of distributing health, safety, and environmental data. It is not a specification sheet, nor should any displayed data be construed as a specification. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product.

This information and the data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage, and handling of the product in compliance with applicable federal, state, and local laws and regulations.

Indo Gulf Company. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED.

Indo Gulf Company will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading.

✉ bioag@indogulf.com

🌐 www.indogulf.com

1500 Cordova Avenue STE1200
Sheridan, Wyoming 82801
(USA)

10 Glenview Dr.
Oshawa, Ontario L1H 6B2
(Canada)

201, Blue Bell Building, Sakinagar, Gandhinagar,
Chennai-600 092, India
(India)