



**ULINK AGRITECH PRIVATE LIMITED**  
**MATERIAL SAFETY DATA SHEET: MAHARAZA (MYCORRHIZAL BIOFERTILIZER)**

#### 1: IDENTIFICATION

Technical Name	Vesicular Arbuscular Mycorrhiza	Trade Name	MAHARAZA (MYCORRHIZAL BIOFERTILIZER)
Synonyms	Mycorrhizal Biofertilizer	Molecular Formula	-
Uses	Fertilizer		
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	<a href="mailto:info@agrostar.in">info@agrostar.in</a>

#### 2: COMPOSITION/INFORMATION OF INGREDIENTS

**Fertilizer Type:** Mycorrhizal biofertilizer

**Beneficial Strain:** Arbuscular mycorrhizal fungi

**Components :** Fungal biomass mixed with growth substrate

#### 3: HAZARD IDENTIFICATION

Proprietary powder formulation/mixture - Ingredients are non-hazardous.

#### 4: FIRST AID MEASURES

**General:** Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

**Inhalation:** Move person to fresh air and keep warm and at rest in a position comfortable for breathing. Give artificial respiration if necessary. If required seek medical attention.

**Ingestion:** Rinse mouth with water thoroughly and give water to drink. Never give anything by mouth to an unconscious person. Seek medical attention immediately if symptoms occurs.

**Skin Contact:** In case of contact with product, wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention if irritation develops and persists.

**Eye Contact:** Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

**Note to Physician:** No specific Antidote. Treat symptomatically.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

**Specific Hazard:** Exposure to fire, smoke, fumes, or products of combustion

**Special Procedures:** Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. streams. Use of contaminated buildings, area and equipment has to be avoided until decontaminated.

**Protection of Fire Fighters:** Do not breathe a fumes. Approach fire from up wind. Wear full protective clothing and self contained breathing apparatus for fire fighting if necessary.

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Ventilate spillage area. Wear respiratory protection. Avoid breathing vapors, mist or gas .Use personal protective equipment including suitable protective clothing, gloves and eye or face protection. Evacuate personnel to safe areas and upwind of spill/ leak.

**Environmental Precaution:** Avoid discharge into drains, water courses or onto ground.

**Methods for Cleaning-up:** Absorb spills with inert material and transfer to a container for disposal according to local regulations. Clean contaminated floors and objects thoroughly with water and detergents. Never return the spills to original container for reuse.

#### 7: HANDLING & STORAGE

**Handling:** Ensure adequate ventilation. Avoid inhalation of vapour or mist. Wear appropriate protective safety equipments such as hand gloves, rubber boots, safety goggles during product handling Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Good personal hygiene procedures must be practiced.

**Storage:** Store in dry, cool and well-ventilated area away from direct heat and sunlight. Keep in original container and tightly closed when not in use. Keep out of reach of children. Do not use empty container for storage of water or food products. Do not store the product along with chemical pesticides. Storage temperature: Store below 30°C.

#### 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

**General Protection:** Avoid contact with eyes and skin. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

**Personal Protection:** Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

**Respiratory Protection:** To avoid breathing dust/drift, use adequate ventilation and NIOSH/MSHA approved respiratory protection equipment .

**Skin Protection:** Wear suitable protective working clothing to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

**Hand Protection:** Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

**Eye Protection:** In dusty condition, use safety glasses with side shields or goggles for eyes protection should be used. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9:PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Powder

**Colour:** White - Off white

**Physical State:** Solid

**Moisture % max:** 8 -12

**pH:** 6.0 - 7.5

## 10:STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles. Excessive variations in temperatures

**Hazardous Decomp. Products:** No hazardous decomposition products are known.

**Material to Avoid:** Strong acids, alkali compounds, strong oxidizing agents, disinfectants, biocides may inactivate biological cultures

**Hazardous Reactions:** Polymerization will not occur. **Decomposition:** Biodegradable

## 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available

**Reproductive Toxicity:**

No data available

**Skin Corrosion/Irritation:** No data available

**Aspiration Hazard:**

No data available

**Germ Cell Mutagenicity** No data available

*Caution: Prolonged contact with eyes, skin and respiratory tract may cause irritation.*

## 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Toxicity to fish and other aquatic organisms: Non-toxic

Toxicity to other non-target plants: Non-toxic

Toxicity to earthworms: Non-toxic

Toxicity to bees: Non-toxic

**Persistence and Degradability:** Non -Toxic. Completely biodegradable

**Bioaccumulative Potential:** Not anticipated to bioaccumulate

## 13: DISPOSAL CONSIDERATION

Do not reuse containers. Dispose the product packing materials and residues in accordance with all applicable federal, state and local environmental regulations. Destroy used containers and bury them in soil in non-crop land away from habitation and underground water course. Do not use empty containers for storing water, food or animal feed.

## 14: TRANSPORT INFORMATION

**Transportation hazard:** Product is non-hazardous for all modes of transportation

## 15: REGULATORY INFORMATION

**Clean Air Act:** This formula does not contain any hazardous air pollutants.

**Clean Water Act:** None of the chemicals in this product are listed as hazardous, toxic or priority pollutants.

## 16: OTHER INFORMATION

**DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

----- END -----