



# Bio Organic Limited

(Dealers & Distributors of Fertilizers, Pesticides, Seeds, Veterinary and Industrial Chemicals)

## MATERIAL SAFETY DATA SHEET (MSDS) BIORIZE

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING

Product Name: Vesicular arbuscular mycorrhiza (VAM)  
Product Information: Soil conditioning agent of agricultural importance

Supplier: Bio Organic Limited.  
Phone No: +254 20 240 3391  
Email id: [info@bioorganic.co.ke](mailto:info@bioorganic.co.ke)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Technical Name: *Rhizophagus irregularis*  
Product Code: Nil  
Hazardous Ingredients / Components: Nil  
CAS No. NA  
Other Components: Risk Phrases & Symbol – R36 (Mild) for e.g.: Xi = Irritant, R36 = Irritating to eyes, R37 = Irritating to respiratory system, R38 = Irritating to skin

### 3. HAZARDS IDENTIFICATION

Health: Inhalation Odorless  
Skin Contact Not harmful  
Eye Contact Mild Irritant  
Ingestion Non-toxic & Non-virulent  
Fire: Non flammable

4. **FIRST — AID MEASURES** Non-toxic. If accidentally swallowed more quantity above 100gms, induce vomiting and give *Lactobacillus sporogens* mixed with water.

### 5. FIRE FIGHTING MEASURES

Extinguishing media: Non-flammable  
Fire Fighting Protective Equipment: NA  
Specific Hazards: None

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use gloves while handling, wash the hand with soap  
Environmental precautions: Bury the container and remaining material away from habitans at 0.5 m deep in soil.  
Method for cleaning up: Use copious water to clean the spill.

### 7. HANDLING AND STORAGE

Handling: Use goggles, face masks, gloves and protective covering while use.  
Storage: Store in a room temperature away from sunlight.  
Keep out of reach of children, foods and animal feed.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures  
Respirators Use face masks Eye Protection Use goggles  
Personal protective equipment: Use protective clothing

Gloves Yes  
Occupational Exposure Limits: Non-hazardous ingredients

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark greenish brown liquid  
Form: Granule formulation  
Colour: Dark greenish brown  
Odour: Earthy odour  
PH (Value): 6.0-7.8

**Address: P.O. Box: 29024 - 00100 Nairobi - Kenya**

**Physical address: | Sapna Business Park (SBP) | Kyang'ombe Area (ICD)  
| ODD OLD Mombasa Road, Nairobi Kenya |**

**Contact: +254 20 240 3393 / +254 792 458 379, Email: [info@bioorganic.co.ke](mailto:info@bioorganic.co.ke) / [bioorgltd@gmail.com](mailto:bioorgltd@gmail.com)**



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Boiling Point:	Not determined
Melting Point:	Not determined
Flash Point:	Not determined
Flammable Limits:	Not flammable
Auto Ignition Temperature:	Not flammable
Explosive Properties:	Nil
Oxidising Properties:	Nil
Vapour Pressure (mm Hg):	Not determined
Density (g/ml):	Not determined
Solubility (Water):	Insoluble
Solubility (Other):	Not soluble in majority of chemical solvents
Partition Coefficient:	NA

## 10. STABILITY AND REACTIVITY

Hazardous Reactions:	None
Hazardous Decomposition Product(s):	No dangerous decomposition products known
Conditions to avoid:	Do not heat and do not expose to direct sunlight
Materials to avoid:	Do not mix with fungicides, acids, alkali materials.

## 11. TOXICOLOGY INFORMATION

Inhalation (LC50):	Non-toxic, Non-virulent
Skin Contact (Dermal — LD50):	No skin irritant.
Ingestion (Oral — LD50):	Non toxic
Acute intraperitoneal toxicity:	Non- pathogenic, Non-toxic and Non-virulent on Wistar rats
Pathogenicity:	Non- pathogenic

## 12. ECOLOGICAL INFORMATION

Environmental Hazards:	Nil
Persistence and Degradation:	Not persistent and no dangerous decomposition products known
Toxicity:	Nil
Effect on Effluent Treatment:	Nil

## 13. DISPOSAL CONSIDERATIONS

Product & contaminated packaging:	Bury the container and remaining material away from habitants at 0.5 m deep in soil.
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## 14. TRANSPORT INFORMATION

IATA:	Non-dangerous goods
ADR:	Non-dangerous goods
IMO:	Non-dangerous goods

UN NO: Non-dangerous goods

## 15. REGULATORY INFORMATION

Classification and labelling Danger symbol:	Organic certified and Non-toxic
Danger Label:	Green Rhombus
Safety phrases:	Green, Organic

16. OTHER INFORMATION Nil

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