

**MATERIAL SAFETY DATA SHEET (MSDS)  
BIOMYSIS MEAN**

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

Product Name: Metarhizium anisopliae  
Product Information: Biological control agent of agricultural importance  
Company Name: Varsha Bioscience and Technology India Private Limited  
Address: SURVEY NO. 253/A, JIBLAKPALLY (V), DOTHIGUDEM (G.P)  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Technical Name: *Metarhizium anisopliae*  
Product Code: Nil  
Hazardous Ingredients / Components: Nil  
CAS No. 7727-43-7  
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 Characteristic fermentation odour  
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 100ml, 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 habitants 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, facemasks, 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: Slightly turbid  
Form: Liquid  
Colour: Slightly olive green  
Odour: Characteristic fermentation odour  
PH (Value): 6.0-7.8  
Boiling Point: Not determined



Melting Point:	NA
Flash Point:	116
Flammable Limits:	Not flammable
Auto Ignition Temperature:	Not flammable
Explosive Properties:	Nil
Oxidising Properties:	Nil
Vapour Pressure (mm Hg):	Not determined
Density (g/ml):	2.7g/cm <sup>3</sup> at 20°C
Solubility (Water):	Completely soluble in water
Solubility (Other):	Soluble in Ethanol and Acetone
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.

**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

<b>MSDS Revised Date</b>	<b>: 20 July 2018</b>
<b>MSDS Modified Date</b>	<b>: 20 July 2020</b>

**Disclaimer**

The Content given here in, are as per the declaration given by the manufacturer and EABCL Claims zero Responsibility.

**16. OTHER INFORMATION** Nil

For Varsha Bioscience and Technology  
India Private Limited

  
(A. John Peter)  
Managing Director