

## Material Safety Data Sheet

### ECOMAN™ Bio-Nematicide

#### 1. COMPANY IDENTIFICATION

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Name	Beijing Ecoman Biotech Co.,Ltd
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#### 2. PRODUCT IDENTIFICATION

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Trade name	Ecoman™ Nematicide
Standard denomination	Ecoman™ <i>Paecilomyces lilacinus</i>
Product	The material shall be in the form of fungal colonies in test tubes or petridishes, which is free of any other bacterial and fungal contamination.
Utilization	Biological plant protection product
Mode	Antagonism against specific plant disease

#### 3. HAZARD IDENTIFICATION

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Classification	none
Special advice for humans and environment	Keep (remaining) product away from water. Avoid any contact with the product. Misuse may lead to health damage. Non-hazardous to honeybees and beneficial insects.

#### 4. COMPOSITION DATA

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Composition	<i>Paecilomyces lilacinus</i> (cfu2*10 <sup>10</sup> /g)	5% w/v
	Nutrient broth & organic substance	95% w/v
		100% w/v

#### 5. FIRST AID MEASURES

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In case of contact with skin, wash with plenty of soap and water. For eyes, flush with water for about 15 minutes and get medical help. If inhaled, remove from the exposure and help the patient to lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. If swallowed, give the patient 1-2 glass of water to drink and induce vomiting by touching back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious patient.

#### 6. ANTIDOTE

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Symptomatic treatment.

#### 7. FIRE FIGHTING MEASURE

All extinguishing agents can be used. Wear protective clothing to avoid eye and skin contact.

## 8. ACCIDENTAL RELEASE MEASURES

Accidental spillages of the product can be removed using disinfectant. The material used must be sterilized. Accidental spillage of the product during transportation, contact with eyes and skin (injured) should be avoided. In case of contact, it is necessary to wash the skin and/or eyes with plenty water. Spilled product can be removed with plenty of water and/or a disinfectant.

## 9. HANDLING AND STORAGE

Store the product in its original pack tightly closed, away from the reach of children, irresponsible persons and livestock, in a separate room, away from the rooms used for storing foodstuffs, animal feeds and other articles, under lock and key. The rooms or premises meant for storing must be well built, cool, dry, ventilated and should be of sufficient dimensions to avoid contamination with vapor. Sealed packages can be stored for at least three months at temperatures below 4°C.

Transport the product in such a manner so as not to come in contact with foodstuffs and animal feed.

## 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limit values</b>	None
<b>Maximum concentrations at operators position</b>	None
<b>Personal protective equipment</b>	Not necessary
<b>General protection</b>	avoid any contact with the product
<b>Inchoative protection</b>	Not necessary
<b>Skin protection</b>	Not necessary
<b>Eye protection</b>	Not necessary
<b>Hygiene recommendations</b>	Wash hands after contamination with the product
<b>Environmental exposure controls</b>	No danger by default; avoid exposure to waters

## 11. PHYSICAL AND CHEMICAL PROPERTIES

### General information

<b>Appearance</b>	Solid powder Color: violet
<b>Smell</b>	None

### Important health, safety and environmental information

<b>PH Value</b>	In water [100g/L at 20°C]: 6-7
<b>Boiling Point [°C]</b>	Not relevant
<b>Flashpoint [°C]</b>	Not relevant
<b>Flammability</b>	Not flammable
<b>Explosive Properties</b>	General none Upper explosion limit: not relevant Lower explosion limit: not relevant
<b>Vapor Pressure</b>	Not relevant
<b>Oxidizing Properties</b>	None
<b>Solubility/Miscibility in Water</b>	Insoluble/dispersible in water
<b>Viscosity</b>	Not applicable

Vapor Density	Not relevant
Evaporation Rate	Not relevant
Other information	
Melting Point [°C]	Approx. 146°C
Freezing Point [°C]	Not relevant
Auto ignition [°C]	No auto ignition up to 400

## 12. STABILITY AND REACTIVITY

Thermal decomposition/conditions	Avoided and do not store under wet conditions, avoid long term exposition to temperatures above +4°C.
Hazardous reactions	Susceptible to fungicides, acids and hydroxides, products attacking organic material.
Hazardous decomposition products	None
Other information	None

## 13. DISPOSAL OF CONTAINERS

Destroy the empty containers after use and bury those 0.5 meters deep in soil away from habitation and do not leave in the open to prevent their reuse. Surplus material or washings from machines and containers should be disposed off in a safe manner so as to prevent environmental and water pollution.

## 14. TRANSPORT INFORMATION

Transport Conditions	Land: no restrictions Sea: no restrictions Air: no restrictions
Other Information	none

## 15. OTHER INFORMATION

This document contains important information regarding a safe disposal, handling and use of this product. The information should be brought to the attention of the health / safety / environment-consultant of your organization. The information from this document should be announced to anyone working with this product. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains to the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

## 16. TECHNICAL

Provided by	Technical department of Beijing Ecoman Biotech Co., Ltd
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