

# Safety data sheet **nema-green**<sup>®</sup>

**Created:** 29.10.2013  
**Reviewed:** 27.03.2018  
**Valid from:** 27.03.2018  
**Version:** 3 **Replacing Version:** 2  
**e-nema GmbH, Klausdorfer Str. 28-36, 24223 Schwentinental, Germany**



## 1. Identification of the substance/mixture and of the company

### Product identifier

Substance /Trade name: *Heterorhabditis bacteriophora* / nema-green<sup>®</sup>

### Other means of identification:

Living organisms, entomopathogenic nematode

### Relevant identified uses of the substance or mixture and uses advised against

Biological plant protection agent, insecticide

### Details of the supplier of the safety data sheet

Company: **e-nema GmbH**  
Street name: **Klausdorfer Str. 28-36**  
Postal code/town name: **24223 Schwentinental**

### Contact for technical information

Dr. Olaf Strauch, e-nema GmbH, Klausdorfer Str. 28-36, 24223 Schwentinental  
Phone / Fax / E-Mail: ..49-4307-8295-0 / ..49-4307-8295-14 / info@e-nema.de

Hazardous Material Information System III	
Health	1
Fire Hazard	0
Physical Hazard	0
Personal Protection	X

## 2. Hazards identification

Components	CAS No.	Weight Percent	Occupational Exposure Limits	
			OSHA PEL	ACGIH TLV
<i>Heterorhabditis bacteriophora</i>	NA	10 %	NA	NA
Inert carrier	NA	90 %	NA	NA

Primary routes of entry: eyes, oral

Exposure limit for dust (not formed during normal use): 0.06 µg/in<sup>3</sup>

No reportable quantities of toxic ingredients according to Section 313 SARA Title III and 40 CFR 372

No hazardous substances according to OSHA Hazard Communication Standard 29 CFR 1910.1200.

Not classified according EEC Directives

### Potential Acute Health Effects

Eyes: Irritation, itching, redness

Skin: Mild skin irritation

Inhalation: Respiratory system irritation (The formulation is free of dust. No inhalation expected.)

Ingestion: No effects

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## **3. Composition/information on ingredients**

### **Substances**

Active ingredient:

Name: *Heterorhabditis bacteriophora* (living organism, entomopathogen nematode)  
CAS-Nr.: Not available for living organisms

Inert carriers:

Contains no admixtures with labelling obligation. The formulation is confidential.

### **Mixtures**

Not a mixture of active ingredients

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## **4. First aid measures**

### **Following inhalation**

Only in case of massive inhalation: Move the affected person outside the danger zone. Contact a doctor.

### **Following skin contact**

Clean with water and soap.

### **Following eye contact**

Flush eye for 10 minutes with water. In case of persistent eye irritation contact a doctor.

### **Following ingestion**

Flush mouth with water several times and spit it out. Drink two cups of water afterwards. No further aid measures are necessary.

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## **5. Fire-fighting measures**

### **Flammability**

Flame resistant, not explosive

### **Extinguishing media**

All fire extinguishing media are appropriate.

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## **6. Accidental release measure**

### **Personal precautions, protective equipment and emergency procedures**

None

### **Environmental precautions**

None

### **Methods and material for containment and cleaning up**

Wear dusk mask, eye protection, clothes. Clean contaminated area mechanical and/or with water.

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## 7. Handling and storage

### Precautions for safe handling

#### Protective measures

Don't eat or drink when handling the product.

#### Advice on general occupational hygiene

Wash hands after handling the product.

#### Advice on safe handling

Wear dusk mask, eye protection, cloves.

#### Fire preventions

None

#### Aerosol and dust generation preventions

None

#### Environmental precautions

None

### Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Store in the dark at 4-10°C. Don't freeze. Don't expose to sunlight.

#### Hints on storage assembly

Opened bags should be used up.

**Storage class:** 13

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## 8. Exposure controls/personal protection

### Control parameters

None

### Personal protective equipment

#### Eyes / face

Protective glasses

#### Skinprotection

Cloves

#### Respiratory protection

Dusk mask

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## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance  
- Physical state: Powder  
- Colour: Ochre  
Odor: Wet clay  
pH: 7-8 (100 g/l water, 20°C)  
Oxidising: None  
compounds:  
Freezing point: 0°C/-1°C (product contains water)  
Boiling point: 100 °C (product contains water)  
Explosive: None  
compounds:  
Vapour pressure, Not applicable  
density:  
Solubility n-octanol/water: Not applicable  
Viscosity: Not applicable

## **10. Chemical stability and reactivity**

Not applicable, contains living organisms

### **11.1 Toxicological information**

#### **Acute toxicity**

Not toxic, > 5g/kg (Maus, oral)

#### **Skin corrosion/irritation**

None

#### **Serious eye damage/irritation**

None

#### **Irritation to respiratory tract**

Unknown

#### **Carcinogenicity/mutagenicity**

Not applicable

## **12. Ecological information**

### **Toxicity for non-target organisms**

Not toxic or pathogenic against birds, reptiles, amphibians, fish, bees or earthworms. Side-effects are limited to soil born insects.

### **Persistence and degradability**

Not applicable

### **Bioaccumulative potential**

Not applicable

### **Mobility in the soil**

Not applicable

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## **Other adverse effect**

Unknown

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## **13. Disposal consideration**

**EPA Waste Number:** Non-hazardous waste

### **Product /Packaging disposal**

Vacuum or manual, general trash / packaging waste

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## **14. Transport information**

**D.O.T. Classification:** Not regulated  
**INO/IMDG:** Not regulated  
**IATA:** Not regulated

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## **1 5. Regulatory Information**

### **US Federal Regulations**

**Product information** The product in not considered hazardous

### **SARA 311/312**

Acute: No  
Chronic: No  
Fire: No  
Pressure: No  
Reactive: No

**SARA 313** No reportable quantities of toxic substances according requirements  
Of Section 313 of SARA III and 40 CFR 372

**TSCA listing** Exempted