

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006



Product name : **nematop®**  
Revised on : 24.11.2022  
Version number : 6

Replaces version number : 5

## PART 1: Identification of the substance or mixture and the company

### 1.1 Product identifier

Organism/Trade name: *Heterorhabditis bacteriophora* | **nematop®**

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

#### Relevant identified uses

Biological insecticide, plant protection

#### Uses advised against

Any other use.

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

e-nema GmbH, Klausdorfer Str. 28-36, 24223 Schwentinental, Germany

#### Telephone / fax / e-mail

/+49 4307 8295-0 / E-Mail: info@e-nema.de

### 1.4 Emergency number

## SECTION 2: Hazards Identification

### 2.1 Classification of the substance or mixture

According regulation Nr. 1272/2008/EG:  
None

According directives 67/548/EG and 1999/45/EG:  
None

According directive 1907/2006/EG  
None

### 2.2 Label elements

#### Regulation (EC) No. 1272/2008

##### Product pictogram(s) and signal word

none

##### Hazardous component(s) for labeling (product identifier (s))

none

##### Hazard statements

none

##### Precautionary statements

P102 Keep out of reach of children.  
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/

##### Additional labeling

none

### 2.3 Other dangers

Organisms can potentially cause allergic reactions.

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## SECTION 3 : Composition / information on ingredients

**Organism:** *Heterorhabditis bacteriophora*  
**3.1 EG-No.:** not applicable for living organisms  
**CAS-No.:** not applicable for living organisms  
**Other means of identification:** Entomopathogenic nematode

### 3.2 mixtures

**Composition / information on ingredients**  
contains no admixtures with labelling obligation

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**After inhalation:**

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

**After skin contact:**

Clean with water and soap.

**After eye contact:**

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

**After swallowing:**

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

### 4.2 Most important symptoms and effects, both acute and delayed

none

### 4.3 Indications of immediate medical attention or special treatment

none

## SECTION 5: Fire-fighting measures

### 5.1 extinguishing agent

**Suitable extinguishing media**

all fire extinguishing media are appropriate.

**Unsuitable extinguishing media**

unknown

### 5.2 Special hazards arising from the substance or mixture

none

### 5.3 Advice for fire fighting

none

## SECTION 6: Accidental release measures

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

none

### 6.2 Environmental protection measures

none

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## 6.3 Methods and material for containment and cleaning up

Wear dust mask, eye protection, cloves. Clean contaminated area mechanical and/or with water.

## 6.4 Reference to other sections

13. Disposal consideration

## SECTION 7: handling and storage

### 7.1 Precautions for safe handling

#### advice 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 dust mask, eye protection, cloves

##### Information about fire and explosion protection

none

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and containers

none

### 7.3 Specific End Uses

none

## SECTION 8: Exposure controls/personal protection

### 8.1 Parameters to monitor

none

### 8.2 Exposure controls / personal protective equipment

#### Appropriate technical control devices

none

#### Body protection

wear appropriate protective clothing.

#### Eye protection

wear eye protection. EN 166

#### Hand protection

wear protective gloves

#### Respiratory protection

in case of insufficient ventilation, wear suitable respiratory equipment.

#### Hygiene measures

Don't eat or drink when handling the product. Avoid contact with eyes and skin. Avoid breathing vapor. All exposed areas of the body must be washed.

#### Limitation and monitoring of environmental exposure

none

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## SECTION 9: physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|    | parameter  | remark                       |
|----|--|------------------------------|
| a) | physical state   | solid, powder                |
| b) | colour   | ochre                        |
| c) | Odor   | wet clay                     |
| d) | Melting Point/Freezing Point                             | n.d.                         |
| e) | Boiling point or initial boiling point and boiling range | n.d.                         |
| f) | flammability   | n.d.                         |
| G) | lower explosion limit<br>upper explosive limit           | n.d.                         |
| H) | flash point  | n.d.                         |
| i) | ignition temperature                                     | n.d.                         |
| j) | decomposition temperature                                | n.d.                         |
| k) | PH value   | 6-8 (100 g/l water,<br>20°C) |
| l) | Kinematic viscosity                                      | n.d.                         |
| m) | solubility   | n.a.                         |
| n) | n - octanol /water (log value)                           | n.a.                         |
| O) | vapor pressure   | n.a.                         |
| p) | density and/or relative density                          | n.d.                         |
| q) | Relative Vapor Density                                   | n.a.                         |
| r) | particle properties                                      | n.d.                         |

\* Values refer to n.d. = not determined n.a. = not applicable

### 9.2 Other Information

none

## SECTION 10: Stability and Reactivity

### 10.1 reactivity

n.a.

### 10.2 Chemical Stability

n.a.

### 10.3 Possibility of hazardous reactions

n.a.

### 10.4 Conditions to avoid

n.a.

### 10.5 Incompatible materials

n.a.

### 10.6 Hazardous decomposition products

n.a.

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**SECTION 11: Toxicological information**

**11.1 Information on hazard classes within the meaning of Regulation (EC) No. 1272/2008**

**acute toxicity**

n.a.

**Skin corrosion/irritation**

n.a.

**Serious eye damage/irritation**

n.a.

**Respiratory or skin sensitization**

n.a.

**germ cell mutagenicity**

n.a.

**carcinogenicity**

n.a.

**reproductive toxicity**

n.a.

**Specific target organ toxicity - single exposure**

n.a.

**Specific target organ toxicity - repeated exposure**

n.a.

**aspiration hazard**

n.a.

**11.2 Information about other hazards**

n.a.

**11.2.1 Endocrine Disruptive Properties**

n.a.

**11.2.2 Other information**

mouse: orally - no pathology

**SECTION 12: Environmental Information**

**12.1 toxicity**

n.a.

**12.2 Persistence and degradability**

n.a.

**12.3 bioaccumulative potential**

n.a.

**12.4 mobility in soil**

n.a.

**12.5 Results of PBT and vPvB assessment**

n.a.

**12.6 Endocrine disrupting properties**

n.a.

**12.7 Other harmful effects**

none

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## SECTION 13: Disposal instructions

### 13.1 Waste treatment methods

waste key 16 03 04, 16 03 06

**Product:**

**Uncleaned packaging:**

general trash

**Clean packaging**

packaging waste

## SECTION 14: Transport information

### 14.1 UN number or ID number

none

### 14.2 UN proper shipping name

**ADR/RID**

none

**IMDG Code / ICAO-TI / IATA-DGR**

none

### 14.3 transport hazard classes

**ADR / RID / IMDG Code / ICAO-TI / IATA-DGR**

none

### 14.4 packing group

none

### 14.5 environmental hazards

**Sign of environmentally hazardous substances**

ADR/ RID / IMDG code  yes /  no

ICAO-TI / IATA-DGR:  yes /  no

### 14.6 Special precautions for user

see sections 6 - 8

### 14.7 Bulk transport by sea according to IMO instruments

none

## SECTION 15: legislation

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations**

none

### 15.2 chemical safety assessment

n.a.

## SECTION 16: Other Information

### Changes from the last version

Adaptation to Regulation (EU) 2020/878

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**List of hazard statements not written out in full in Sections 2 through 15**

none

**training notes**

none

**Annex with exposure scenarios**

n.a.