Safety Data Sheet
according to Regulation (EC) No. 1907/2006

Product name: nematop®
Revised on: 16.01.2026
Version number: 7 **Replaces version number:** 6

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 / 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.

SECTION 3 : Composition / information on ingredients

3.1 Organism: *Heterorhabditis bacteriophora*
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

6.3 Methods and material for containment and cleaning up

Wear dust mask, eye protection, gloves. 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, gloves

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

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 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, 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.

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
Test animal: mouse. Application: orally, subcutaneously, intraperitoneally. Pathology: none

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

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
standardisation of design

List of hazard statements not written out in full in Sections 2 through 15
none

training notes
none

Annex with exposure scenarios
n.a.