

Material Safety Data Sheet

(according to 1907/2006/EC)



LARVANEM

Last update: 25/11/2014, Version 1.0

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

Product details

| | |
|---|--|
| Trade name: | LARVANEM |
| Application of the preparation: | Insect pathogenic nematode |
| Supplier: | Koppert B.V. Veilingweg 14 2651 BE Berkel en Rodenrijs |
| Telephone: | +31 (0)10-5140444 |
| Fax: | +31 (0)10-5115203 |
| E-mail: | info@koppert.nl |
| Website: | www.koppert.com |
| Information: | Marketing/Product management |
| Anti poisoning Centre Emergency info: | +31 (0)30-2748888 |
| (Only for use by a Doctor in obtaining information by accidental poisoning) | |

2 HAZARDS IDENTIFICATION

| | |
|--|---|
| Hazard designation: | No classification |
| Information pertaining to particular dangers for man and environment: | Does not contain substances according to 1272/2008/EC |
| Classification System: | Nematodes are out of the scope of classification |

3 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|-----------------------------------|---|
| Chemical characterization: | Not Applicable |
| Description: | Formulation of larvae from the insect Parasitic nematode Heterorhabditis bacteriophora with inert carrier |
| Components: | Nematode larvae, inert carrier |
| Additional information: | Contains no hazardous chemical substances present on Annex I of Directive 67/548/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances |

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4 FIRST AID MEASURES

| | |
|--|---|
| General: | General instructions are not necessary. |
| Inhalation: | Not applicable |
| If the product has come into contact with the skin: | Wash affected area with water and soap. |
| If the product has come into contact with the eyes: | Rinse the eyes with lukewarm water, with eyelid opened. (15 min.) under running water. If symptoms persist consult doctor |
| If the product is ingested: | may cause gastrointestinal tract |

5 FIRE FIGHTING MEASURES

| | |
|---------------------------------------|--|
| Suitable extinguishing agents: | CO ₂ , Foam, Dry Chemical, water fog |
| Protective clothing: | No special procedures required besides standard fire fighting procedures |
| Additional information: | The product itself is non-combustible |

6 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautionary measures: | Wear protective clothes |
| Cleaning/picking-up method: | Ensure adequate ventilation Collect mechanically Dilute with much water |
| Environmental protection: | Inform respective authorities in case product reaches water or sewage system |

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7 HANDLING AND STORAGE

Handling:

Prevent formation of dust. Keep away from heat and direct sunlight. No special measures required

Storage:

Store dry in well closed containers. Suitable storage temperature 2-6 °C. Do not freeze. Keep out of sunlight. Do not store open trays. Store away from foodstuffs. Keep container tightly sealed.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design

Of technical systems:

No further data; see item 7.

General protective and hygienic measures:

The usual precautionary measures should be adhered to general rules for handling chemicals. Wash hands during breaks and at the end of the work. Avoid contact with eyes and skin. Do not inhale dust.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Shape:

Solid
Powder

Colour:

Beige

Odor:

Cellar like

Self-Inflammability:

Product is not self igniting

Danger of explosion:

Product is not explosive

Density at 20°C:

Data not available

Solubility in/ Miscibility with water:

99%

pH value (10 g/l) at 20°C:

7.5-8.0

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10 STABILITY AND REACTIVITY

Conditions to be avoided:

Stable during 5 weeks under recommended use and storage conditions.

Materials to be avoided:

Oxidizing agents

Dangerous reaction:

No dangerous reactions known

Hazardous decomposition products:

No dangerous decomposition products known

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Data not available

Primary irritant effect on the skin:

Data not available

Eyes:

Data not available

Sensitization:

Data not available

Additional toxicological information:

The product (nematode larvae and inert carrier) is not considered to be toxic.

12 ECOLOGICAL INFORMATION

Information about elimination (persistence and degradability)

Other information:

Not applicable

Behaviour in environmental systems, mobility and bioaccumulation potential:

Not applicable

Ecotoxicological effects

Remark:

Heterorhabditis bacteriophora are nematodes pathogenic to beetles

General notes:

At present no ecotoxicological assessments are known.

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13 DISPOSAL CONSIDERATIONS

Recommendation:

Remove according to local authority recommendations, e.g. convey to a licensed incinerator.

European waste catalogue:

Uncleaned packaging's recommendation:

Disposal must be made in accordance to official regulations. Packaging's that cannot be cleaned are to be disposed of in the same manner as the product.

14 TRANSPORT INFORMATION

Not dangerous for transport according to ADR/RID (road transport), IMDG (sea transport) and IATA/ICAO (air transport)

15 REGULATORY INFORMATION

Designation according to EC guidelines:

Not applicable

Code letter and hazard designation of product:

Not applicable

Symbol(s):

None

R(isk) phrase(s):

None

S(afety) phrase(s):

None

Beneficial nematods are not regulated by EU and fall outside the scope of 1107/2009/EC

16 OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process.

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 organisation. 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.