

# Material Safety Data Sheet

(according to 91/155 EC, amended with 2001/58/EC)



## SCIA-RID

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

- **Product details**
- **Trade name:** SCIA-RID
- **Application of the substance / the preparation:** Biological insecticide
- **Manufacturer/ supplier:** Koptert B.V.  
P.O. Box 155  
2650 AD Berkel en Rodenrijs, the Netherlands  
Phone: +31-10-5140444  
Fax: + 31-10-5115203
- **Information:** Marketing / Product management
- **Emergency information:** Phone + 734 641 3763

### 2 COMPOSITION / DATA ON COMPONENTS

- **Chemical characterization**
- **Description:** Formulation of larvae of the insect parasitic nematode *Steinernema feltiae* (400 million or 500 million) 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.

### 3 HAZARDS IDENTIFICATION

- **Hazard designation:** No classification
  - **Information pertaining to particular dangers for man and environment:** Not applicable
  - **Classification system:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- Additional information:** Health hazards: None expected (see chapter 11).  
Environmental hazards: None (see chapter 12).  
*S. feltiae* can be found as living organism in the environment.

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### **4** FIRST AID MEASURES

- **After inhalation** Supply fresh air. Keep patient warm. Consult doctor if symptoms persist
- **After skin contact** Wash with water and soap and rinse thoroughly. Get medical attentions if irritation develops and persists.
- **After eye contact** Rinse opened eye for several minutes (~15 min.) under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

### **5** FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:** CO<sub>2</sub>  
Water spray yet
- **For safety reasons unsuitable extinguishing agents:** None
- **Protective equipment:** Wear full protective suit.  
Wear self-contained breathing apparatus.  
Wear eye protection
- **Additional information:** The product itself is non-combustible.

### **6** ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Wear protective clothing
- **Measures for environmental protection:** Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/ collecting:** Ensure adequate ventilation.  
Collect mechanically.  
Dilute with much water.
- **Additional information:** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### **7** HANDLING AND STORAGE

- **Handling**
- **Information for safe handling:** Prevent formation of dust.  
Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store dry in well closed containers.  
Suitable storage temperature 2-6°C.  
Do not freeze.
- **Information about storage in one** Store away from foodstuffs

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common storage facility:

- **Further information about storage conditions:**

Keep container tightly sealed.

### **8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment**
- **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.
- **Breathing equipment:** Not applicable
- **Protection of hands:** Not applicable
- **Material of gloves:** Not applicable
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not applicable
- **Body protection:** Not applicable

### **9 PHYSICAL AND CHEMICAL PROPERTIES**

- **General information**
  - Form:** Solid  
Powder
  - Colour:** Grey
  - Odour:** Cellar like
- **Change in condition**
  - Melting point/Melting range:** Not applicable
  - Boiling point/Boiling range:** Not applicable
- **Flash point:** Not applicable
- **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**

- **Thermal decomposition / 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.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

### **11 TOXICOLOGICAL INFORMATION**

- **Acute toxicity:** Data not available
- **Primary irritant effect**
- **on the skin:** Data not available
- **on the eye:** 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:** Data not available
- **Behaviour in environmental systems**
- **Mobility and bioaccumulation potential:** Data not available
- **Ecotoxicological effects**
- **Remark:** *Steinernema* spp. are nematodes restricted to soil and parasitic to subterranean Coleoptera, Diptera, Lepidoptera and Orthoptera.
- **General notes:** At present no ecotoxicological assessments are known.

### **13 DISPOSAL CONSIDERATIONS**

- **Product**
- **Recommendation:** Remove according to local authority recommendations, e.g. convey to a licensed incinerator.
- **European waste catalogue:** 02 01 99: wastes not otherwise specified
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made in accordance to official regulations. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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### **14** TRANSPORT INFORMATION

- **Transport / Additional information:** Not dangerous for transport according to ADR/RID, IMO and IATA.

### **15** REGULATORY INFORMATION

- **Designation according to EC guidelines:** Not applicable.
- **Code letter and hazard designation of product:** Not applicable
- **Risk phrases:** None
- **Safety phrases:** None
- **National regulations:** -
- **Other regulations, limitations and prohibitive regulations:** -

### **16** OTHER INFORMATION

This data 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 data 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 data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.