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## 1. PRODUCT and COMPANY IDENTIFICATION

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**Product Name:** NemaShield<sup>™</sup>

**General Use:** Biological Insecticide for control of fungus gnats and thrips

**Manufactured For:**  
BioWorks, Inc.  
100 Rawson Rd, Suite 205  
Victor, NY 14564

**Emergency Telephone Numbers**  
BioWorks, Inc: 800-877-9443  
  
CHEMTREC: 800-424-9300

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## 2. COMPOSITION, INFORMATION ON INGREDIENTS

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**Description:** Formulation of larvae of the insect parasitic nematode *Steinernema feltiae* (100 or 500 million) with inert carrier

**Components:** Nematode larvae, inert carrier

**Additional Information:** No reportable quantities of hazardous ingredients are present. No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present.

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## 3. HAZARDS IDENTIFICATION

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**Overview:** This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication standard (29 CFR 1910.1200). It is not classified according to relevant EEC Directives  
Primary routes of entry: Eyes, oral

**Potential Acute Health Effects:**

*Eyes:* Short term harmful effects are not expected. However, irritation may develop causing itching and redness.

*Skin:* Short term harmful effects are not expected. However, mild skin irritation may develop.

*Inhalation:* This product is in a paste form. Inhalation is not expected.

*Ingestion:* Not an intended route of exposure. Short term harmful effects are not expected. However, may upset the gastrointestinal tract.

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## 4. EMERGENCY AND FIRST AID MEASURES

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**Eye Contact:** Wash out with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

**Skin Contact:** Wash affected area with plenty of soap and water.

**Inhalation:** Not applicable

**Ingestion:** Seek medical attention if irritation develops.

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## 5. FIRE FIGHTING MEASURES

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**Flammability of Product:** Not a fire or explosion hazard when stored under normal conditions.

**Fire Fighting Media:** Foam, alcohol foam, CO<sub>2</sub>, dry chemical, water fog.

**Protective Clothing:** No special procedures required besides standard fire fighting procedures.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Clean-Up Procedures:** Vacuum or use wet clean-up techniques and place in properly labeled and closed container. Spilled product in contact with water or moisture causes surfaces to become extremely slippery. Dispose of collected material according to federal, state/provincial and local environmental regulations.

**Spills:** Contain the spill to prevent discharges to surface streams or storm sewers.

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**7. HANDLING and STORAGE**

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**Handling:** General mechanical ventilation can be expected to effectively remove and prevent build up of any particulates generated from handling this product in a closed environment. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.

**Storage:** Keep container in a dry place inaccessible to children and pets at temperatures above freezing. Store at 41°F (5°C). Keep out of sunlight. Keep containers sealed until ready for use.

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**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

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**Engineering controls:** General mechanical ventilation can be expected to effectively remove and prevent build up of any particulates generated from handling this product in a closed environment.

**Personal Protection:**

*Eyes:* Wear safety glasses. Have an eye wash station available.

*Body:* To prevent skin contact wear coveralls, apron, boots, or lab coat.

*Hands:* Avoid skin contact by using gloves.

*Respiratory:* No respiratory protection required under normal conditions of use.

**Other:** Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize exposure risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to overexposure.

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**9. PHYSICAL and CHEMICAL PROPERTIES**

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<b>Appearance:</b>	Moist gel/paste	<b>Melting Point:</b>	N/A
<b>Odor:</b>	Earthy odor	<b>Boiling Point:</b>	N/A
<b>Vapor Pressure:</b>	N/A	<b>Viscosity:</b>	N/A
<b>Specific Gravity:</b>	N/A	<b>pH:</b>	N/A
<b>Solubility:</b>	Water dispersible		

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**10. STABILITY and REACTIVITY**

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**Stability:** Stable under normal recommended storage and handling conditions. (see section 7)

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Active ingredient is a living organism. Do not expose to heat, excessive cold or sunlight

**Hazardous decomposition:** Thermal decomposition may yield carbon dioxide and carbon monoxide

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## 11. TOXICOLOGICAL INFORMATION

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<b>Chronic Toxicity:</b>	None known
<b>Mutagenic Effects:</b>	None known
<b>Teratogenic Effects:</b>	None known
<b>Developmental Toxicity:</b>	None known
<b>Acute Effects on Humans:</b>	This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication standard (29 CFR 1910.1200).
<b>Sensitization:</b>	Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause eye and skin irritation.
<b>Carcinogenic Effects:</b>	This material will not cause cancer in animals or humans.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity:</b>	No data available, however the material is not expected to have any deleterious toxic effect.
<b>Environmental Fate:</b>	No data available regarding the environmental fate or biodegradation.
<b>Other:</b>	<i>Steinernema</i> spp. are nematodes restricted to soil and parasitic to subterranean <i>Coleoptera</i> , <i>Diptera</i> , <i>Lepidoptera</i> and <i>Orthoptera</i> .

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## 13. DISPOSAL CONSIDERATIONS

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<b>EPA Waste number:</b>	Non-Hazardous Waste
<b>Treatment:</b>	Vacuum preferred but simpler methods are acceptable. Dispose of according to all federal, state/provincial and local environmental regulations.

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## 14. TRANSPORT INFORMATION (not meant to be all inclusive)

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<b>D.O.T. Classification:</b>	Not regulated
<b>IMO/IMDG Classification:</b>	Not regulated
<b>IATA Classification:</b>	Not regulated

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**15. REGULATORY INFORMATION (not meant to be all inclusive)**

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**Hazardous Material Information System III:**

Health	1
Fire Hazard	0
Physical Hazard	0
Personal Protection	X

**US Federal Regulations:****Product****Information:** This product is not considered hazardous.**SARA 311/312:***Acute:* No*Chronic:* No*Fire:* No*Pressure:* No*Reactive:* No**SARA 313:** No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present.**Regulatory Listings:**

United States (TSCA): Listed

The product does not need to be labeled in accordance with EC Directives or respective to National Laws

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**16. OTHER INFORMATION**

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