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# SAFETY DATA SHEET

## Section 1. Identification

**Product name:** Field Guardian

**Other Means of identification:** Living Beneficial Nematodes

**Product type:** Biological beneficial organism

**Manufacturer's Name:** HGI Worldwide Inc dba Hydro-Gardens

**Address:** HGI Worldwide Inc dba Hydro-Gardens

8765 Vollmer Rd., Colorado Springs, CO. 80908-4710

**Telephone Number for Information** 719-495-2266

**Emergency Telephone (Chemtrec)** 800-424-9300

Relevant identified use of the substance or mixture & uses advised against

**Use only in accordance with label directions.**

## Section 2. Hazards Identification

OSHA/HCS status : According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the substance or mixture : No need for classification according to GHS criteria for this product

**GHS Label Elements:**

This product does not require a hazard warning label in accordance with GHS criteria.

Signal Word : None

Hazard statements : No known significant effects or critical hazards

**Precautionary Statements**

General : Read label before use. Keep out of reach of children or pets  
If medical advice is needed, have product label at hand.

Prevention : Not applicable

Response : Not applicable

Storage : Not applicable

Disposal : Not applicable

**Supplemental label elements**

**Hazards not otherwise classified**

: None known

: None known

## Section 3. Composition/Information On Ingredients

**Substance/mixture** : Mixture

**Chemical name** : None available

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First Aid Measures

**Description of necessary first aid measures**

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper & lower eyelids. Check for & remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air & keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of soap & water.

Ingestion : Wash out mouth with water. If material has been swallowed & the exposed person is conscious, give small quantities of water to drink  
Don't induce vomiting unless directed to do so by medical personnel  
Get medical attention if symptoms occur.

### **Most important symptoms/effects, acute & delayed**

#### **Potential acute health effects**

Eye contact : No known significant effects or critical hazards.  
Inhalation : No known significant effects or critical hazards.  
Skin contact : No known significant effects or critical hazards.  
Ingestion : No known significant effects or critical hazards.

#### **Over-exposure signs/symptoms**

Eye contact : No specific data.  
Inhalation : No specific data.  
Skin contact : No specific data.  
Ingestion : No specific data.

### **Indication of immediate medical attention & special treatment needed, if necessary**

Notes to physician : Treat symptomatically. (decontamination, vital functions)  
Specific treatments : No known significant reaction of the human body to the product.  
Protection of first-aiders : No actions shall be taken involving any personal risk or without suitable training.

### **See toxicological information (Section 11)**

## **Section 5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.  
Unsuitable extinguishing media : None known.  
Specific hazards arising from the chemical : No specific fire or explosion hazards.  
Hazardous thermal decomposition products : Decomposition products may include the following materials:  
Carbon dioxide  
Carbon monoxide  
Nitrogen oxides  
Halogenated compounds  
Metal oxide/oxides  
Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.  
Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment & self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **Section 6. Accidental Release Measures**

### **Personal precautions, protective equipment & emergency procedures**

For non-emergency personnel : Not applicable  
For emergency responders : Not applicable  
Environmental precautions : Avoid dispersal of spilled material & runoff & contact with soil, waterways, drains & sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## **Methods & materials for containment & cleaning up**

- Spill : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material & place in a designated, labeled water container. Dispose of via a licensed waste disposal contractor. *Note: Section 1 for emergency contact information & Section 13 for waste disposal.*

## **Section 7. Handling & Storage**

### **Precautions for safe handling**

- Protective measures : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene : Eating, drinking & smoking should be prohibited in areas where this material is handled, stored & processed. Workers should wash hands & face before eating, drinking & smoking. Remove contaminated clothing & protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities : Segregate from foods & animal feeds.
- Further information of storage conditions : Store in accordance with local regulations. Store in original container protected from direct sunlight at (5° C), protect from heat & freezing, away from incompatible materials (see Section 10) & food & drink. Keep container tightly closed & sealed until ready for use. Containers that have been opened must be carefully resealed & kept moist to prevent drying out. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## **Section 8. Exposure Controls / Personal Protection**

### **Occupational exposure limits**

- Occupational exposure limits : None
- Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants
- Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

- Hygiene measures : Wash hands, forearms & face thoroughly after handling any products, before eating, smoking & using the lavatory & at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure the eyewash stations & safety showers are close to the workstation locations.
- Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn unless the assessment indicates a higher degree of protection: safety glasses with side-shields

### **Skin protection**

- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection : Personal protective equipment for the body should be selected based on the task being performed & the risks involved & should be approved by a specialist before handling this product.

Other skin protection	: Appropriate footwear & any additional skin protection measures should be selected based on the task being performed & the risks involved by a specialist before handling this product.
Respiratory protection	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazard of the product & the safe working limits of the selected respirator.

## Section 9. Physical & Chemical Properties

### Appearance

Physical State	: Gel, moist
Color	: light brown
Odor	: perceptible
Odor threshold	: Not available
pH	: Not available
Melting point	: Not available
Boiling point	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Based on the structure or composition there is no indication.
Lower & Upper explosive (flammable) limits	: Lower: Not available : Upper: Not available
Vapor pressure	: Not available
Vapor density	: Not available
Relative density	: Not available
Solubility	: Not available
Partition coefficient: n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Dynamic: Not available : Kinematic: Not available

## Section 10. Stability & Reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients
Chemical stability	: The product is stable
Possibility of hazardous reactions	: Under normal conditions of storage & use, hazardous reactions will not occur.
Conditions to avoid	: See Section 7
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage & use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

### Information on toxicological effects

Conclusion/Summary	: No known significant effects or critical hazards.
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### Irritation/Corrosion

Conclusion/Summary	
Skin	: No known causes of skin irritation.
Eyes	: No known causes of eye irritation.
Respiratory	: No known causes of respiratory irritation.

## **Sensitization**

Conclusion/Summary :  
Skin : Not sensitizing - based on the individual components.  
Respiratory : Not sensitizing - based on the individual components.

## **Mutagenicity**

Conclusion/Summary : No known significant effects or critical hazards.

## **Carcinogenicity**

Conclusion/Summary : No known significant effects or critical hazards.

## **Reproductive toxicity**

Conclusion/Summary : No known significant effects or critical hazards.

## **Teratogenicity**

Conclusion/Summary : No known significant effects or critical hazards.

## **Specific target organ toxicity (single exposure)**

### **Specific target organ toxicity (repeated exposure) Aspiration hazard**

Information on the likely routes of exposure : Not available

## **Potential chronic health effects**

Conclusion/Summary : No known significant effects or critical hazards.  
General : No known significant effects or critical hazards.  
Carcinogenicity : No known significant effects or critical hazards.  
Mutagenicity : No known significant effects or critical hazards.  
Teratogenicity : No known significant effects or critical hazards.  
Developmental effects : No known significant effects or critical hazards.  
Fertility effects : No known significant effects or critical hazards.

## **Section 12. Ecological information**

### **Toxicity**

Conclusion/Summary : Not available

### **Persistence & Degradability**

Conclusion/Summary : No known significant effects or critical hazards.

### **Mobility in soil**

Soil/water partition coefficient (KOC) : Not available  
Other adverse effects : No known significant effects or critical hazards.

## **Section 13. Disposal considerations**

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions & any by-products should at all times comply with the requirements of environmental protection & waste disposal legislation & any regional local authority requirements. Dispose of surplus & non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material & its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material & runoff & contact with soil, waterways, drains & sewers.

## Section 14. Transport Information

<u>Regulatory Information</u>	<u>UN no.</u>	<u>Proper Shipping Name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT		Not Regulated			

PG\*: Packing Group

## Section 15. Regulatory Information

### Precautionary statements

Signal word : No signal word.  
Emergency Overview : Keep out of reach of children or domestic animals.

### U.S. Federal regulations

: United States inventory (TSCA 8b):  
Not determined.

## Section 16. Other Information

### SDS Prepared by

: HGI Worldwide Inc dba Hydro-Gardens  
8765 Vollmer Rd., Colorado Springs, CO. 80908-4710  
Telephone Number for Information 719-495-2266

### History

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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards & should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Conforms: GHS (rev 3) (2009)  
(This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS)  
(29 CFR 1910.1220(g)), revised in 2012.) United States