



# HGI Worldwide, Inc. dba Hydro-Gardens

PO BOX 25845 Colorado Springs, CO. 80936-5845

<b>Material Safety Data Sheet</b> May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	<b>U.S. Department of Labor</b> Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072
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IDENTITY: **SEMASPORE - Biological Insecticide Bait** for Grasshoppers & Locustae

Section I	
Manufacturer's Name: Bozeman Bio-Tech Inc.	Emergency Telephone Number 406-587-5891
Address: 1612 Gold Ave. PO Box 3146 Bozeman, MT. 59772	Telephone Number for Information 719-495-2266
Chemical Name/Family: Nosema locustae Canning/ None	Date Prepared: March 9, 2002

Section II - Hazard Ingredients/Identity Information		
Material or Component	%	Hazard Data
Nosema locustae Canning	0.05	N/a
Other Ingredients (inert/non-hazardous)	99.95	Nuisance Dust: ACGIH & OSHA: Respirable Dust: 5mg/m <sup>2</sup> Total Dust: 10(ACGIH)-15(OSHA)mg/m <sup>2</sup>

Section III - Physical/Chemical Characteristics			
Boiling Point Degrees (F)	N/A	Melting Point	N/A
Specific Gravity (H <sub>2</sub> O =1)	N/A	Solubility in H <sub>2</sub> O (% by WT.)	Insoluble
Vapor Density (Air = 1)	N/A	Vapor Pressure	N/A
Percent Volatile By Volume (%)	N/A	Evaporation Rate	N/A
Appearance and Odor	Wheat flakes with no distinct (unusual) odor		

Section IV - Fire and Explosion Hazard Data			
Flash Point	N/A (does not flash)	Flammable Limits	N/A
Extinguishing Media	Considered non-combustible; use medium appropriate to surrounding fire. CO <sub>2</sub> or Dry Chemical for small fires; Water Spray or Foam for Large fires.		
Special Fire Fighting Procedures	Use self-contained breathing apparatus and full protective clothing. Keep non-essential personnel away from immediate fire area; and out of any fall-out or run-off areas		
Unusual Fire and Explosion Hazards	Dusts may form explosive mixtures with air; avoid use of heavy water streams		

Section V - Reactivity Data	
Conditions Contributing To Instability	See SECTION VII
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition or Byproducts	None
Conditions Contributing to Hazardous Polymerization	None

Section VI - Health Hazard Data	
Effects of Overexposure	Routes of Entry: Ingestion, inhalation, eyes and skin contact. Most Likely Route of Entry: Dermal
Emergency and First Aid Procedures:	Avoid inhalation, ingestion, or contact with eyes or open wounds.
<u>Eyes:</u>	Flush with large amounts of warm water Skin: Wash with soap and warm water. If irritation persists, get medical attention
<u>Inhalation:</u>	Remove to fresh air. If irritation persists, get medical attention.
<u>Ingestion:</u>	Drink 1 or 2 glasses of water. If irritation occurs, induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. If irritation persists, get medical attention.
Medical Conditions Aggravated by Exposure:	Overexposure to dust may aggravate existing respiratory disease, leading to respiratory difficulty.

Section VII - Precautions for Safe Handling and Use	
Steps to Be Taken in Case Material is Released or Spilled:	Vacuum or scoop up & sweep, place in container for disposal.
Waste Disposal Method:	Standard, No Special Precautions Necessary..
Precautions to Be taken in Handling & Storing:	Store in a cool, dry place away from children, domestic animals, food & feed products. Optimum storage temperature is 5oC (42oF). For best results, use within 13 weeks of date of formulation. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during storage and handling.
Other Precautions:	Do not directly contaminate water supplies by handling or storage of products, cleaning of equipment or disposal of wastes. Keep work & storage areas clean. Read & follow precautionary measures on product label.

Section VIII - Control Measures	
Respiratory Protection:	If airborne concentrations of this material approach allowable limits, wear MSHA/NIOSH approved respirator for wheat-bran dust.
Ventilation: Local Exhaust:	None normally required
Other Protective Clothing or Equipment:	None normally required. Use if ventilation is not adequate. Work in well ventilated area.