

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Dr. Pursifulls Organic Elixer 008 Bug Assassin
Product Use: Minimum risk pesticide
DOT Classification: Not Regulated
Manufacturer/Supplier: Light Manufacturing Co.
Address: 519 SE Main
Portland OR 97214
Telephone: 503-231-1852

Emergency Phone: 503-231-1852

SECTION II - INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
Water	7732-18-5	Not available	Not available
Acetic acid	64-19-7	10 ppm TWA	10 ppm TWA
Citric acid	77-92-9	10 mg/m ³ TWA	Not available
Phenol, 2-methoxy-4- (2-propenyl)-	97-53-0	Not available	Not available
Glycerol	56-81-5	10 mg/m ³ Mist	10 mg/m ³ Mist
Sea Kelp Extract	Not available	Not available	Not available
Oils, peppermint	8006-90-4	Not available	Not available
Oils, citronella	8000-29-1	Not available	Not available
Sodium lauryl sulfate	151-21-3	10 mg/m ³ TWA	Not available

MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

The calculated oral LD₅₀ for the product is approximately 12 547 mg/kg, rat.

SECTION III - PHYSICAL DATA

Boiling Point (°C): 100
Vapor Pressure (mm Hg): Not available
Vapor Density (Air = 1): Not available
Solubility in Water: Not available
Physical State: Liquid
Appearance; Odor: Clear light amber; clove

Specific Gravity (H₂O = 1): Not available
% Volatile (Wt %): Not available
Evaporation Rate (Ether = 1): Not available
pH (100%): 3.2
Viscosity: Water thin
Odor Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable.
Flash Point (°C, TCC): None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of nitrogen.
Autoignition Temperature (°C): Not applicable
Means of Extinction: Dry chemical, water spray, foam, carbon dioxide.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Oxidizers.
Reactivity, and Under What Conditions: Do not mix with other chemicals.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of nitrogen when heated to decomposition.

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SECTION VI - TOXICOLOGICAL PROPERTIES
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Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause irritation.

Skin: May cause irritation in sensitive individuals.

Inhalation: Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion: The calculated oral LD₅₀ for this product is approximately 12 547 mg/kg. This product has low oral toxicity. May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Irritancy: May cause eye irritation.

Respiratory Tract Sensitization: No data available.

Carcinogenicity: Non-hazardous by OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: Non Hazardous by OSHA criteria.

Synergistic Materials: Not available.

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SECTION VII- PREVENTATIVE MEASURES
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Gloves: Rubber gloves. Confirm with a reputable supplier first.

Eye Protection: Safety glasses.

Respiratory Protection: Not normally required if good ventilation is maintained.

Other Protective Equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, state, and local government requirements prior to disposal.

Storage and Handling Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials.

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SECTION VIII - FIRST AID
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Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

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SECTION IX - PREPARATION INFORMATION
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Date: 2003/09/01

MSDS Prepared by: Dell Tech Laboratories Ltd.

Telephone: 1-519-858-5021

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of OSHA. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages that may result from the use of or reliance on any information contained in this form.