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1. Product Identification

Zero Tolerance Herbal Pesticide
aka
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aka
Zero Tolerance Herbal Pesticide – Fungicide
aka
ZT Herbal Pesticide

This MSDS covers the Ready to Use (RTU) preparation.

2. Hazards Identification/Overview

Appearance/Odor: White opaque, free-flowing liquid with sweet herbal (cinnamon) odor.

EMERGENCY OVERVIEW: No hazardous materials present as defined in 29 CFR 1910.1000, 40 CFR 260 – 281, 302, 355, 370, 372 or WHMIS.

WARNING: Vapors may cause skin/eye irritation for certain individuals who are sensitized.

3. Health Hazard Data/First Aid Measures

Inhalation: None expected, however, certain individuals may be sensitized and experience minor nausea or headaches.

Emergency and first aid procedures: Remove affected person to fresh air; if symptoms persist, seek medical attention.

Skin: None expected, however prolonged or repeated contact may cause irritation and dermatitis.

Emergency and first aid procedures: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

Eyes: Contact with eyes may cause irritation.

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Emergency and first aid procedures: Remove contact lenses. Flush eyes with water for 15 minutes; if irritation persists, seek medical attention.

Ingestion: May cause gastric distress, vomiting and diarrhea.

Emergency and first aid procedures: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention.

Health Hazards (Acute and Chronic): Acute effects are possible (irritation and discomfort); no known chronic effects have been established.

Carcinogenicity: No additional information.

Medical conditions generally aggravated by exposure: Preexisting skin, eye or respiratory disorders may become aggravated through prolonged exposure.

4. Potential Environmental Effects

Ecotoxicity: None known at this time. Has not been tested for aquatic environments.

Persistence/ Degradability: Degrades when open to air for extended time due to evaporation of volatile components

5. Composition of Ingredients

All ingredients are considered non-hazardous materials.

Water	>95%
Glycerin	2-3%
Lecthin	< 1%
6 Herbal Oils (Cinnamon Bark, Cinnamon Berry, Cinnamon Leaf, Rosemary, Thyme, Clove Bud)	< 1% Total Oils

6. Fire Fighting Measures

Flash Point: Non-flammable Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Carbon dioxide, water, water fog, dry chemical, chemical foam

Special fire fighting procedures: Cool containers exposed to flame with water; spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

Unusual fire and explosion hazards: None. Material is not phrophoric. Does not react with water. Not oxygen donor. Material is shock stable.

7. Accidental Release Measures

Steps to be taken in case materials is released or spilled:

Small spills – wash to sanitary sewer with plenty of water.

Large spills – soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water. Avoid disposing of large spills into drainage systems and into the environment.

8. Handling and Storage

Precautions to be taken in handling and storage: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures.

Store in a cool, dry and ventilated area away from heat sources and protected from the light. Keep air contact to a minimum.

9. Exposure Controls/Personal Protection

Respiratory protection: None required.

Ventilation:

Local exhaust: Not necessary **Mechanical (General):** Recommended

Protective gloves: None required

Other protective equipment: Safety eyebath nearby

Eye protection: Recommended for general protection

10. Physical/Chemical Properties

Color: Opaque, white

Physical State: Liquid

Boiling Point: 99 °C

Vapor Pressure (MM Hg): NS

Vapor Density (Air = 1): 1

Solubility in Water: Miscible

Odor: Sweet, herbal

Specific Gravity (Water = 1): N/A

pH: N/A

Evaporation Rate (Water = 1): N/A

% Volatile (by weight): < 1%

11. Stability and Reactivity

Stable.

Conditions to avoid: Extreme temperatures; keep from freezing or heat.

Incompatibility (materials to avoid): Strong oxidizers, strong acids

Hazardous decomposition or byproducts: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes and smoke may be produced.

Hazardous polymerization: Will not occur

12. Disposal Considerations

Waste disposal method: Dispose of in accordance with Local, State and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to 40 CFR Protection of Environment Parts 260-299 for complete waste disposal regulations. Consult your local, state or Federal Environmental Protection Agency before disposing of any chemicals.