



ECO-FRIENDLY INSECT PEST MANAGEMENT SYSTEMS  
700 E REDLANDS BLVD, STE U PMB 189, REDLANDS, CA 92373-6109

## MATERIAL SAFETY DATA SHEET

### SECTION I. COMPANY IDENTIFICATION

Pest Wizard Inc., 700 E Redlands Blvd, STE U PMB 189, Redlands, CA 92373

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### SECTION II. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH = 1

FLAMMABILITY = 0

REACTIVITY = 0

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### SECTION III. PRODUCT INFORMATION

PRODUCT NAME: Lure for Western Flower Thrips, *Frankliniella occidentalis*.

CHEMICAL NAMES of active ingredients: p-anisaldehyde, ethyl nicotinate, neryl-(S)-2-methylbutyrate

CHEMICAL FAMILY of active ingredients: Aldehyde and acids

SYNONYMS: Thrips Attractants

C.A.S. NUMBERS: 123-11-5, 614-18-6, and 999-40-6 (respectively)

FORMULAE: C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>, C<sub>8</sub>H<sub>9</sub>NO<sub>2</sub> and C<sub>14</sub>H<sub>24</sub>O<sub>2</sub> (respectively)

PRODUCT FORM: attractant absorbed on paper disc and enclosed on permeable plastic pouch

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### SECTION IV. PHYSICAL PROPERTIES of A.I.

1. p-anisaldehyde

BULK DENSITY: N/A

MELTING POINT: -1 °C (30 °F)

FREEZING PT: N/A

PERCENT VOLATILE by volume: 100%

APPEARANCE/ODOR DESCRIPTION: clear liquid

VAPOR DENSITY (AIR = 1): 4.70

VAPOR PRESSURE (25°C, mm HG): N/A

SOLUBILITY IN WATER: Not soluble

SPECIFIC GRAVITY@25°C: 1.123 g/cm<sup>3</sup>

BOILING POINT: 118 - 121 °C (244 - 250 °F) at 16 hPa  
(12 mmHg)

pH: N/A

2. Ethyl nicotinate

BULK DENSITY: N/A

MELTING POINT: -1 °C (30 °F)

FREEZING PT: N/A

PERCENT VOLATILE by volume: 100%

SPECIFIC GRAVITY@25°C: 1.107 g/cm<sup>3</sup>

BOILING POINT: 118 - 121 °C (244 - 250 °F) at 16 hPa (12 mmHg)

pH: N/A



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APPEARANCE/ODOR DESCRIPTION: clear liquid  
VAPOR DENSITY (AIR = 1): 4.70  
VAPOR PRESSURE (25°C, mm HG): N/A  
SOLUBILITY IN WATER: Not soluble

3. Neryl-(S)-2-methylbutyrate

BULK DENSITY: N/A	SPECIFIC GRAVITY@25°C: 0.898 g/cm <sup>3</sup>
MELTING POINT: 8 - 10 °C (46 - 50 °F)	BOILING POINT: 223 - 224 °C at 760 mmHg
FREEZING PT: N/A	pH: N/A
PERCENT VOLATILE by volume: 100%	

APPEARANCE/ODOR DESCRIPTION: clear liquid  
VAPOR DENSITY (AIR = 1): N/A  
VAPOR PRESSURE (25°C, mm HG): 0.00116  
SOLUBILITY IN WATER: Not soluble

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**SECTION V. PRODUCT HAZARD INFORMATION**

PERCENT HAZARDOUS COMPONENT IN PRODUCT: 0%  
OCCUPATIONAL EXPOSURE LIMITS: Not established  
HEALTH/TOXICITY INFORMATION: Not established  
EFFECTS OF OVEREXPOSURE: Not established

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Provide oxygen if breathing is labored. Get medical aid.  
SKIN: Remove contaminated clothing and wash well with soap and water. Get medical aid.  
EYES: Irrigate with water for at least 15 minutes. Get medical aid.  
INGESTION: Have victim drink fluids to dilute material in stomach. Do not induce vomiting. If victim vomited, lean him/her forward to reduce inhalation. Get medical aid.

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**SECTION VI. FIRE HAZARD INFORMATION**

FLASH POINT: N/A FLAMMABLE LIMITS in air: N/A  
EXTINGUISHING MEDIA: Carbon dioxide, foam. Water as spray only.  
SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, use air-supplied equipment. Do not inhale fumes.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Avoid sparks or open flame.

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**SECTION VII. REACTIVITY INFORMATION**



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PRODUCT STABILITY: UNSTABLE STABLE   
HAZARDOUS POLYMERIZATION: May Occur May Not Occur   
CONDITIONS TO AVOID: Sources of ignition  
MATERIAL TO AVOID: Strong oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

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**SECTION VIII. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up pheromone with standard adsorbent materials. Remove sources of ignition. Keep out of water sources and sewers.  
WASTE DISPOSAL METHOD: Incinerate or otherwise manage at RCRA permitted waste management facility. Do not reuse empty containers. Check state and local authorities for other options.

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**SECTION IX. PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Normally not required.  
EYE PROTECTION: Safety glasses.  
VENTILATION: Well ventilated areas.  
PROTECTIVE GLOVES: Hydrocarbon resistant gloves.  
OTHER PROTECTIVE EQUIPMENT: Eye wash, safety shower.

NOTE: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

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**SECTION X. HANDLING AND STORAGE PRECAUTIONS**

GENERAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not breath vapors. Store in sealed pouches in a cool, dry place, preferably under deep freeze. To maintain product integrity protect from high temperatures. Keep container closed. Launder contaminated clothing before use. Wear protective equipment described above if exposure conditions warrant. Do not allow to contaminate water sources, food or feed.  
SPECIAL PRECAUTIONARY CONDITIONS: None.

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**SECTION XI. TRANSPORTATION DATA**



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DOT LABEL: None required, non-hazardous material.

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## **SECTION XII. DISCLAIMER**

It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise material safety data sheets periodically as new information becomes available. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose of any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. Pest Wizard® assumes no responsibility for any damages, losses, injuries or consequential damages which may result from the use or misuse of this product and the recipient assumes all such risks.

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