

# MATERIAL SAFETY DATA SHEET

## EcoPCO WP-X WETTABLE POWDER INSECTICIDE

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

### 1. COMPANY & PRODUCT IDENTIFICATION

**Product:** EcoPCO WP-X Wettable Powder Insecticide  
**EPA Reg. No.:** 67425-25  
**Manufacturer:** EcoSMART Technologies, Inc.  
318 Seaboard Lane, Suite 208, Franklin, TN 37067

**For General Information:** (888) 326-7233 (9am to 5pm CST)

**Emergency Telephone Number:**  
InfoTrac Response System (800) 535-5053 (24 hours)

### 2. INGREDIENTS

<b>2-Phenethyl Propionate</b> (active ingredient)	<b>Thyme Oil</b> (active ingredient)
% by weight: 3.00%	% by weight: 5.00%
CAS: 122-70-3	CAS: 8007-46-3
Exposure Limits: None established	Exposure Limits: None established
<b>Pyrethrins</b> (active ingredient)	<b>Proprietary Carrier Blend</b> (inert ingredient)
% by weight: 0.05%	% by weight: to 100%
CAS: 8003-34-7	CAS: Not Applicable
Exposure Limits: None established	Exposure Limits: None established

### 3. HAZARDS IDENTIFICATION

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

### 4. FIRST AID MEASURES

**IF SWALLOWED:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**IF ON SKIN OR CLOTHING:** Take off the contaminated clothing. Rinse the skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

### 5. FIRE FIGHTING MEASURES

**Flashpoint:** Not Applicable  
**Flammable Limits:** Not tested  
**Extinguishing Media:** Use Foam, Carbon Dioxide, or Dry Chemical extinguishers.  
**Fire and Explosion Hazards:** Flammable  
**Special Fire Fighting Procedures:** None  
**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons and terpenes

### 6. SPILL/LEAK PROCEDURES

If spilled, sweep up and dispose of the empty container and contaminated material in accordance with local ordinances.

### 7. HANDLING & STORAGE

Keep container tightly closed when not in use. Store only in original container. Store in a cool, dry place. Do not smoke or eat in the product handling area. Keep out of the reach of children and animals.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Ventilation:** Local exhaust ventilation is not required. If large quantities are handled indoors, ensure adequate mechanical ventilation.

**Respiratory Protection:** Not required with adequate ventilation. If ventilation is poor or if treating large volumes, wear a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (NIOSH/MSHA in U.S.).

**Eye Protection:** Not required. Safety glasses or chemical goggles are recommended.

**Gloves:** Not required. Nitrile, Neoprene or natural rubber gloves are recommended.

**Other Protective equipment:** Not required.

### 9. PHYSICAL PROPERTIES

**Appearance:** Grey powder

### 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable      **Hazardous Polymerization:** Will not occur

### 11. TOXICOLOGICAL INFORMATION

**Rat Acute Oral:** Unknown (not tested)

**Acute effects from Overexposure:** The individual components of this product are known to have low oral and dermal toxicity. This mixture is expected to have a similar toxicological profile. Prolonged contact with the skin may cause irritation. Contact with the eyes may cause eye irritation. Inhalation of the vapor may cause irritation of nasal passages and/or dizziness. Ingestion of this product could result in irritation of the gastrointestinal tract, headache or nausea.

**Chronic Effects from Overexposure:** No data are available.

**Carcinogenicity:**      **NTP:** No      **OSHA:** No

### 12. ENVIRONMENTAL INFORMATION

This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water or rinsate.

### 13. DISPOSAL

Do not reuse empty container. Triple rinse empty container and dispose of container in a sanitary landfill, or incinerator.

### 14. TRANSPORTATION INFORMATION

**Ground:** Not DOT regulated in available quantities (ref: CFR 49 § 173.150 (f))

**Reportable Quantity:** A Reportable Quantity (RQ) has not been established for this material.

### 15. REGULATORY INFORMATION

**NFPA Ratings:** Health - 1    Fire - 0    Reactivity - 0    Special - none

**SARA Title III:** This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.



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# Material Safety Data Sheet (MSDS)

**MANUFACTURER:** Green Dragon Pest Solutions, Inc.  
515B Bartlett St., Macon, GA 31204

**Telephone:** (478) 742-8868  
**Fax:** (478) 742-8869  
**EMERGENCY:** (800) 255-3924 (24 Hours)

**Product Trade Name:** Green Dragon Roach Original Formula

**Use:** Bait for control of cockroaches

**Composition:** Orthoboric acid and food and feed-grade ingredients.

**Common Name:** paste insect bait with boric acid

**EPA Est. No.:** 084708-GA-001

**EPA Reg. No.:** 84708-1

## 1. HAZARDOUS INGREDIENTS

**Material:** Orthoboric acid (boric acid) – ca. 40% CAS# 10045-35-3

## 2. PHYSICAL PROPERTIES

**Product Appearance:** White or off-white putty.

**Odor:** May be mildly grainy or savory

**Solubility:** N/A

**pH:** Ca. 5.1 in 0.1M aqueous solution

**% Volatiles by volume @ 21°C (70 °F):** ca. 0%

**Density:** N/A

**Vapor Density (Air = 1):** N/A

**Vapor Pressure (mm Hg):** N/A

**Water Reactivity:** N/A

**Evaporation Rate (BuAc = 1):** No information found

**Viscosity:** >20,000 cp

## 3. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** ca. 193 °C (ca. 379 °F)

**Flammable Limit:** N/A

**Auto Ignition Temp.:** ca. 400 °C (ca. 752 °F)

**Extinguishing Media:** Use agent most appropriate for extinguishing surrounding fire.

**Special Instructions:** Use fire-fighting steps appropriate for surrounding materials. Cool fire-exposed containers with water spray. Vapors may be heavier than air. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazard:** The fire and explosion hazards are considered minor. Boric acid is a flame-retardant.

## 4. HEALTH HAZARD DATA

**Potential Health Effects:** Hazard is considered low or even practically non-toxic for usual industrial handling.

**Eye:** May irritate eye.

**Skin:** May irritate skin.

**Ingestion:** Large amounts may irritate gastrointestinal tract or cause headache.

**Inhalation:** Inhaling a mist of this material may irritate respiratory tract

**Primary Route(s) of Entry:** Ingestion.

**Chronic:** Ingesting very large quantities of boric acid may cause weight loss, vomiting, diarrhea, skin rash, convulsions and anemia, and may damage the liver and kidneys. Studies of dogs and rats have shown infertility and damage to testes can result from acute or chronic ingestion of boric acid. Evidence of toxic effects on the human reproductive system is inadequate.

**Signs and Symptoms of Over-Exposure:** Intentional consumption of 1 to 2 oz. (ca. 28 to 56 g) could cause gastro-intestinal symptoms.

**Emergency and First Aid Procedures:** In the event of a medical emergency call a poison control center or doctor immediately for treatment advice.

**If Swallowed:** Person should sip water if able to swallow. Do not induce vomiting unless directed by medical professional. Never give anything by mouth to an unconscious person.

**If in Eye:** Hold eye open, rinse gently with water 15-20 minutes. After first 5 minutes remove contact lens if present; continue rinsing eye.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

## 5. PERSONAL PROTECTION

**For pesticidal application:**

**Respirator Type:** Not required.

**Ventilation:** Not required.

**Eye Protection:** Not required.

**Gloves:** Recommended.

**Other Protective:** Not required.

## 6. STABILITY AND REACTIVITY

**Stability:** Stable in ordinary conditions of use and storage. Boric acid can be corrosive to iron if moisture is present. **Conditions to Avoid:** Excess heat.

**Hazardous Decomposition Products:** None. **Hazardous Polymerization:** Will not occur. **Incompatibilities (Materials to Avoid):** Strong alkali.

## 7. DISPOSAL AND RELEASE PROCEDURES

**In the Event of a Spill or Leak:** Scoop and wipe up, and dispose of in suitable container for reclamation or disposal, using a method that does not generate dust. Wear appropriate personal protective equipment as specified in Section 5.

**Disposal:** Waste may be disposed of on site or at an approved disposal facility. Follow requirements of the relevant Federal, State and Local laws.

## 8. HANDLING AND STORAGE

**Storage Temperature:** Room temperature or cooler.

**Average Shelf Life:** Two years in original container.

**Special Sensitivity (Heat, Light, Moisture):** Avoid prolonged exposure to excessive heat.

**Special Precautions:** Store in sealed original container out of reach of children, pets or wildlife. Use good housekeeping practices to avoid accumulating dust and airborne particles. Wash hands after handling. Avoid ingestion and inhalation; avoid contact with eyes, clothing, and especially cut or abraded skin. For empty containers that retain dust or solids from product, observe all warnings and precautions for product.

## 9. TRANSPORTATION INFORMATION

**Not regulated**

**DOT Shipping Name:** None required.

**DOT Hazard Classification:** Non-Hazardous.

**DOT Labels Required:** None Required.

**Freight Classification:** LTL Class 60.

**Warranty Information:** The information in this Material Safety Data Sheet is believed to be reliable but is provided only for your consideration and investigation. Green Dragon Pest Solutions Inc. (GDPS) assumes no responsibility for the accuracy or completeness of data contained herein, or for damages from use of or reliance on this information. GDPS provides no warranties, express or implied. Each user is responsible to ensure that they have all information relevant to their particular use.