

# MATERIAL SAFETY DATA SHEET

## EcoPCO® ACU

### UNSCENTED CONTACT AEROSOL 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 ACU Unscented Contact Aerosol Insecticide  
**Chemical Family:** Hydrocarbons **EPA Reg. No.:** 67425-14

**Manufacturer:** EcoSMART Technologies, Inc.  
318 Seaboard Lane, Suite 202, Franklin, TN 37067

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

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

#### 2. INGREDIENTS

Plant Essential Oils (active ingredient)		Isoparaffinic Hydrocarbon (solvent)	
<b>% by weight:</b>	0.1%	<b>% by weight:</b>	50 to 70%
<b>CAS:</b>	122-70-3	<b>CAS:</b>	64742-47-8
<b>Exposure Limits:</b>	None established	<b>Exposure Limits:</b>	None established
<b>Propane</b>		<b>Isobutane</b>	
<b>% by weight:</b>	10 to 30%	<b>% by weight:</b>	7 to 13%
<b>CAS:</b>	74-98-6	<b>CAS:</b>	75-28-5
<b>Exposure Limits:</b>	1000 ppm (OSHA PEL)	<b>Exposure Limits:</b>	800 ppm (ACGIH TLV)

#### 3. HAZARDS IDENTIFICATION

##### Overview:

- Colorless, unscented liquid in an aerosol container.
- Contents of container are under pressure (55 to 65 psig @ 68 degrees F). Exposure to temperatures above 130 degrees F may cause bursting.
- Container contents (propellants) are flammable. Keep away from ignition sources and hot surfaces!
- Burning may produce toxic by-products.

**Potential Health Effects:** Harmful if swallowed or inhaled. Prolonged exposure to this product may cause dry skin, eye/nasal irritation, dizziness, headache, or nausea.

#### 4. FIRST AID MEASURES

**Eyes:** Flush with water for at least 15 minutes. Consult physician if irritation persists.

**Skin:** Wash exposed area with soap & water. Remove contaminated clothing and wash before reuse.

**Inhalation:** Move exposed person(s) to fresh air. If not breathing, administer artificial respiration.

**Ingestion:** Obtain medical attention. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person.

#### 5. FIRE FIGHTING MEASURES

**Flashpoint (active ingredient):** >172 degrees F (closed cup)

**Flammable Limits:** Not tested, but aerosol is very flammable

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, or Foam

**Fire and Explosion Hazards:** Container contents are flammable and under pressure. Exposure to temperatures above 130 degrees F could cause bursting.

**Special Fire Fighting Procedures:** Keep containers cool to prevent bursting.

**Hazardous Decomposition Products:** May produce carbon monoxide and carbon dioxide.

#### 6. SPILL/LEAK PROCEDURES

Should the container begin to leak (if accidentally punctured for example) allow the contents to discharge completely in a well-ventilated area that is free of sparks or other ignition sources. When the contents have been completely discharged, absorb any liquid residue with an inert absorbent material and dispose of the empty container and absorbent material according to local ordinances.

#### 7. HANDLING & STORAGE

Store in a cool, dry place. Do not use or store near heat, open flames, or hot surfaces. Do not use this product on or in electrical equipment. Foods and eating utensils should be removed or covered when this product is used. Food processing equipment should be covered and/or wiped down after use. Wash thoroughly with soap and water after use. Keep out of the reach of children and animals.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Ventilation:** Local exhaust ventilation is not required. If used indoors on a continuous basis, 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 are recommended during volumetric treatments.

**Gloves:** Not required. **Other Protective Equipment:** Not required.

#### 9. PHYSICAL PROPERTIES

**Appearance:** Colorless liquid while in container - when discharged, colorless aerosol

**Odor:** Unscented **Boiling Point:** > 392 degrees F

**Vapor Density:** 5.26 (air = 1) **Freezing Point:** 17 degrees F (approx.)

**Specific Gravity:** 0.76 - 0.8 (water = 1)

**Evaporation Rate:** Less than n-butyl acetate

#### 10. STABILITY & REACTIVITY

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

**Conditions/Materials to Avoid (Incompatibility):** Temperatures above 130 degrees F, ignition sources, and strong oxidizing agents

#### 11. TOXICOLOGICAL INFORMATION

**Rat Acute Oral:** LD50 > 5000 mg/kg

**Acute effects from Overexposure:** This product has low oral and dermal toxicity. Prolonged contact with the skin may cause defatting or dryness, and contact with the eyes may cause eye irritation. Inhalation of the aerosol may cause irritation of the nasal passages and/or dizziness. Ingestion of this product could result in headache or nausea.

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

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

#### 12. ENVIRONMENTAL INFORMATION

While specific data regarding toxicity to fish or other aquatic organisms is not available for this product, care should always be taken to prevent pesticides from entering aquifers.

#### 13. DISPOSAL

The aerosol container is not refillable. When container is empty, recycle if available. If recycling is not possible, wrap the container and dispose of with ordinary trash.

#### 14. TRANSPORTATION INFORMATION

**Proper Shipping Name:** Consumer Commodity

**DOT Hazard Class:** ORM-D

#### 15. REGULATORY INFORMATION

**NFPA Ratings:** Health - 1 Fire - 4 Reactivity - 1 Special - none

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

**U.S. EPA Signal Word:** CAUTION

**EcoPCO product code:** PCA0617Z **Revision #:** 1 **Date:** 2/21/05



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