



# T-Pac E-Pro MEC

Plant Growth Regulator

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** T-Pac E-Pro MEC Plant Growth Regulator  
**EPA Reg. Number:** 79676-24  
**Chemical Name:** 4-(Cyclopropyl-a-hydroxymethylene)-3,5-dioxo-cyclohexanecarboxylic acid ethylester  
**Chemical Formula:** C<sub>13</sub>H<sub>16</sub>O<sub>5</sub>

#### COMPANY IDENTIFICATION:

Etigra™  
501 Cascade Pointe Lane  
Suite 103  
Cary, NC 27513  
www.Etigra.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients	CAS No.	% Composition
Trinexapac-ethyl	95266-40-3	11.3%

### 3. HAZARD IDENTIFICATION

#### POTENTIAL HEALTH HAZARDS:

**EYE** – May cause eye irritation.

**INHALATION** – Exposure to high vapor levels may cause dizziness, headache, nausea, numbness, incoordination or other central nervous system effects.

**MEDICAL CONDITIONS AGGRAVATED** – None known.

### 4. FIRST AID

**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.

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

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

**NOTE TO PHYSICIAN:** If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flashpoint (PMA-4):** >230°F

**Flammable Limits (LFL-UFL):** N/A

**Fire and Explosion Hazards:** Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

**Means of Extinction:** Use appropriate extinguishing media for combustibles in the area.

**Fire Fighting Instructions:** Evacuate nonessential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff may cause environmental damage and if water is used to fight a fire, dike and collect the runoff.

Manufactured for:  
Etigra  
501 Cascade Pointe Lane  
Suite 103  
Cary, NC 27513  
www.Etigra.com  
REV 0906

Etigra  
Emergency Phone: Chemtrec 800-424-9300  
Effective Date: September 20, 2006



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**Firefighting Equipment:** Self-contained breathing apparatus with full face piece and full bunker gear.

**Hazardous Combustion Products:** Thermal decomposition or combustion may produce irritating and possibly toxic gasses in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

Control the spill at its source and contain the spill to prevent it from spreading or contaminating soil or from entering sewer and drainage systems or any body of water. Clean up spills immediately, observing the precautions outlined in Section 8 below. Cover the entire spill with absorbing material and place into an appropriate disposal container. Scrub the area with hard water detergent such as Tide, Joy, Spic and Span, etc. and pick up the wash liquid with additional absorbent material and place into an appropriate disposal container. Once all material is cleaned up and placed in a disposal container, seal the container and arrange for disposal.

## 7. HANDLING AND STORAGE

**Keep out of reach of children and animals.** Store in a cool, dry location and avoid excessive heat. Do not store below 0°F. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Wash thoroughly after handling this product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Applicators and other Handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as nitrile, butyl, neoprene or barrier laminate
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**pH:** 3.33

**Flashpoint (PMA-4):** >230°

**Density:** 1.075 g/ml at 20°C

**Viscosity:** 44.114 at 20°C; 19.114 at 40°C

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Protect from excessive heat.

**CHEMICAL STABILITY:** Product is normally stable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Can decompose at high temperatures forming toxic and explosive gasses.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat, female): 5000 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 5000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): > 2.06 mg/L

### EYE IRRITANT

Rabbit – Moderately irritating

### SKIN IRRITATION

Rabbit – Slightly irritating

### SENSITIZATION

Guinea pig – Not a Contact Sensitizer

### CARCINOGENICITY:

**ACGIH:** Not listed

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** This pesticide has a low toxicity to wildlife and fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of onsite or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

**DOT PROPER SHIPPING NAME:** Not Regulated by DOT

**DOT HAZARD CLASS OR DIVISION:** N/A

**DOT UN/NA NUMBER:** N/A

**DOT PACKING GROUP:** N/A

**REPORTABLE QUANTITY:** N/A

**MARINE POLLUTANT:** Not listed

## 15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA HAZARD COMMUNICATION STANDARD STATUS –  
Not Regulated

SARA Title III – Section 302 Extremely Hazardous  
Substances  
Not listed

SARA Title III – Section 311/312 Hazard Categories  
Immediate

SARA Title III – Section 312 Threshold Planning Quantity  
The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients  
None

CERCLA –  
Not listed

CALIFORNIA PROP 65 STATUS –  
Not listed

## 16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

### **DISCLAIMER:**

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