



# Acephate E 75

Insecticide

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Acephate E 75 Insecticide  
**DESCRIPTION:** A water-soluble insecticide.  
**EPA Reg. No.:** 79676-62

#### COMPANY IDENTIFICATION:

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	Chemical Formula	CAS Number	Composition
Acephate	Acephate (O,S-Dimethyl acetylphosphoramidothioate)	C <sub>4</sub> H <sub>10</sub> NO <sub>3</sub> PS	30560-19-1	75.0%

### 3. HAZARD IDENTIFICATION

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust or spray mist.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spills.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

### 4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

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

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

**NOTE TO PHYSICIAN:** Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.

Manufactured for:  
Etigra  
501 Cascade Pointe Lane  
Suite 103  
Cary, NC 27513  
www.etigra.com  
REV 0508

Etigra  
Emergency Phone: Chemtrec 800-424-9300  
Effective Date: October 23, 2007  
EPA Reg. No. 79676-62



ETIGRA®

## 5. FIRE-FIGHTING MEASURES

**Flashpoint:** Not Applicable

**Flammable Limits (LFL-UFL):** Not Applicable

**Fire and Explosion Hazards:** Will not burn or explode under normal use and transportation conditions. Sufficient concentrations of dust may form explosive mixtures with air.

**Means of Extinction:** Use foam, carbon dioxide or water spray.

**Fire Fighting Instructions:** Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Use as little water as possible and use spray or fog and avoid heavy hose streams to prevent runoff. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Decontaminate personal protective and firefighting equipment before reuse.

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

**Hazardous Combustion Products:** Carbon dioxide, oxides of sulfur, nitrogen and phosphorous.

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

Vacuum or sweep up material and place in a properly labeled disposal container. Large spills may be neutralized with dilute solutions of soda ash or lime. After removal, flush contaminated floors and objects thoroughly with water, observing all environmental regulations.

## 7. HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing dust or spray mist. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, water, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** To avoid exceeding exposure limits, handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Chemical resistant gloves made of any waterproof material such as polyethylene or PVC. Long-sleeved shirt, long pants and shoes plus socks. Refer to the product label for applicator recommendations.

**General:** Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Fine White Powder

**Odor:** Rotten Cabbage

**pH:** 4.1 – 4.3

**Melting Point:** 90°C (195°F)

**Solubility in Water:** Dispersible

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures and excessive moisture.

**CHEMICAL STABILITY:** Stable under normal use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can produce oxides of sulfur, nitrogen and phosphorous.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Releases noxious gasses when exposed to alkaline materials.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): > 1,030 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 10,000 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): > 60.0 mg/L

### EYE IRRITANT

Rabbit – Causes minimal irritation.

### SKIN IRRITATION

Rabbit – Causes minimal irritation.

### SENSITIZATION

Guinea Pig – Not a Contact Sensitizer.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing cholinesterase depression.

### CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

**MUTAGENIC DATE:** Weak evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**ADDITIONAL DATA:** Repeated or prolonged low-level exposures to organophosphates may cause sensitization to subsequent exposures that mimic acute exposures.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spills.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

### AQUATIC TOXICITY

Bluegill LC<sub>50</sub>: > 2,000 mg/L

Rainbow Trout LC<sub>50</sub>: > 1,000 mg/L

### AVIAN TOXICITY

Mallard Duck LD<sub>50</sub>: 350 mg/kg

**BEE TOXICITY:** Highly Toxic

## 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Do not reuse outer bag. Dispose of outer bag 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

MARINE POLLUTANT: No

## 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.

### 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

N/A

### SARA Title III – Section 313 Reportable Ingredients

Acephate (CAS No. 30560-19-1)

### CERCLA –

Not Listed

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the state of California to cause cancer or reproductive toxicity.

## 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.

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