

Material Safety Data Sheet



Transportation and Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

EPA Reg. Number: 71711-4-67690

Revision Date: 10/22/2008

Akari® 5SC Miticide/Insecticide

SePRO Corporation Carmel, IN 46032

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Akari 5SC Miticide/Insecticide

COMPANY IDENTIFICATION:

SePRO Corporation

11550 North Meridian Street, Suite 600

Carmel, IN 46032

www.sepro.com

Information Phone: 317-580-8282 (Monday - Friday, 8:00 am to 5:00 pm EST)

2. HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW

- Odorless whitish liquid
- Relatively high acute inhalation toxicity
- High acute toxicity to aquatic organisms (fish, invertebrates, and daphnids)
- Eye irritant

EMERGENCY PHONE NUMBER: 1-800-535-5053

Classification: Class II/EPA

Potential Health Effects:

Eye Contact: Contact with this product can cause eye irritation.

Skin Contact: Prolonged contact with this product may cause slight rash in susceptible individuals. Repeated contact may cause allergic reaction in susceptible individuals.

Ingestion: Ingestion of large amounts of this product may cause oral discharge, fecal staining, and soft stool, and/or hypoactivity. Characteristic symptoms were not found.

Inhalation: Inhalation of high concentrations of this product causes signs of secretory respiratory irritations.

The relationship between the results of these animal studies and humans has not been fully established because no accidental or intentional ingestion of this chemical by humans has been reported.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Active Ingredient

Fenpyroximate:	CAS# 134098-61-6	% by Wt.
<i>tert</i> -butyl (<i>E</i>)- α -(1,3-dimethyl-5-phenoxy)pyrazol-4-ylmethylene-aminoxy)- <i>p</i> -toluate		5%
Other Ingredients		95%

4. FIRST AID MEASURES

EYE CONTACT: 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.

SKIN CONTACT: 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.

INGESTION: 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 the poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth to mouth. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, foam, dry chemical, and carbon dioxide.

SPECIAL FIRE-FIGHTING PROCEDURE: Firefighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus. Due to the danger of acute toxicity to aquatic organisms, avoid permitting extinguishing media (such as water, foam, and dry chemicals) to flow into ponds, rivers and lakes.

UNUSUAL FIRE OR EXPLOSION HAZARD: None

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide and nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Liquid spills on the floor or other impervious surfaces should be contained or diked and then absorbed with sawdust, sand, bentonite or other absorbent clay. Collect contaminated absorbent and place in a metal drum. Thoroughly scrub floor or other impervious surfaces with a strong industrial-type detergent and rinse with water.

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Liquid spills that soak into the ground should be dug up and placed in metal drums. When a large spill or leakage is found, wear protective clothing and self-contained breathing apparatus to avoid surplus contact.

Avoid permitting contaminated absorbents or water flow into ponds, rivers and lakes due to the danger of acute toxicity to aquatic organisms.

7. HANDLING AND STORAGE

Handling:

- Handle and open the container with care.
- Avoid breathing vapor or spray mist.
- Use with adequate ventilation.
- Avoid handling near an open flame, source of heat or source of ignition.
- Wash thoroughly with soap and water after handling.
- Remove contaminated clothing and wash before reuse.
- Do not contaminate water by the cleaning of equipment or disposal of waste.

Storage:

- Keep container closed.
- Keep container at room temperature.
- Avoid direct sunlight and freezing.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: If practical, use ventilation at the sources of air contamination, such as process equipment.

PERSONAL PROTECTIVE EQUIPMENT:

- **EYE PROTECTION:** Wear protective eyewear (goggles or face shield) to prevent eye contact.
- **SKIN PROTECTION:** Wear long-sleeved shirt, long pants, shoes plus socks and waterproof gloves to prevent skin contact. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment. Wash thoroughly after handling.
- **RESPIRATORY PROTECTION:** Avoid breathing mist. Use approved respiratory protection equipment when handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White liquid with no discernable odor.

SPECIFIC GRAVITY: 1.018 (20° C)

pH: 6.19 (1% suspension)

Viscosity: 384 mPas (50 - 100) at 25° C

10. STABILITY AND REACTIVITY

FLASH POINT: None

FLAMMABLE POINT: None

AUTO IGNITION: None

CHEMICAL STABILITY: This product is stable for at least 3 years under normal warehouse conditions

INCOMPATIBILITY WITH OTHER MATERIALS: Not known.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (Rat): male: 810 mg/kg
female: 600 mg/kg

Dermal LD₅₀ (Rat): male: 2.0 mg/kg
female: 2.0 mg/kg

Inhalation LD₅₀ (4 hrs)(Rat): male: 0.74 mg/l
female: 0.82 mg/l

Eye irritation (Rabbit): Severe irritant

Skin irritation (Rabbit): Moderate to severe irritant

Skin sensitization (Guinea pig): Nonsensitizing

The following data was developed with Fenpyroximate Technical, the active ingredient:

SUBCHRONIC (TARGET ORGAN EFFECTS): Results from 90-day animal studies suggest no target organ effects under the conditions of normal handling and use.

CHRONIC CANCER INFORMATION: In two year feeding studies with fenpyroximate in rats, no organotoxic effects were observed at dose levels up to 150 ppm. At dose levels of 75 and 150 ppm in both male and female rats, reduced body weight gains were seen. Fenpyroximate had no significant effect on mortality and was not carcinogenic at any of the doses tested. Similar results were observed in dogs administered up to 15 mg/kg/day. Fenpyroximate was not oncogenic in mice at dose levels up to 800 ppm.

TERATOGENICITY (BIRTH DEFECTS): Fenpyroximate technical demonstrated no treatment-related teratogenic effects in rabbits at oral dose levels up to 5 mg/kg/day, nor in rats at dose levels up to 5 mg/kg/day.

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REPRODUCTIVE EFFECTS: Fenpyroximate technical demonstrated no adverse effects on reproductive performance in a two-generation rat reproduction study at dietary doses up to 100 ppm.

NEUROTOXICITY: Data not available.

MUTAGENICITY (GENETIC EFFECTS): Fenpyroximate technical was not mutagenic or genotoxic when tested in the Ames gene mutation assay, Chinese hamster V79 Forward Mutation, mouse micronucleus and cultured human lymphocytes for chromosomal aberration, nor in the Unscheduled DNA Synthesis assay.

12. ECOLOGICAL INFORMATION

This product is very highly toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

Do not apply this product through any type of irrigation system.

Users of this product **MUST** refer to the product labeling at the time of pesticide applications.

13. DISPOSAL CONSIDERATIONS

GENERAL DISPOSAL GUIDELINES: Any disposal practice must be made in compliance with all Federal, State, and local laws and regulations. State and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste disposal information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Excess pesticide and rinsate should be disposed of according to label instructions and/or local regulations. Dispose of the used container according to local regulations.

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at approved disposal facilities. Excess liquid, spray tank, or wastewater, containing fenpyroximate should not be released into rivers, ponds, or lakes due to the danger of acute toxicity to aquatic vertebrates and invertebrates.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: None

DOT SHIPPING LABEL: None

TSCA Inventory: Registered Pesticide; exempt from TSCA.

15. REGULATORY INFORMATION

Follow all regulations in your country.

16. OTHER INFORMATION, USES AND RESTRICTIONS

MSDS STATUS:

New - 08/22/2002

Revised - 05/10/06

Revised - 10/21/08 (NA042401):

Sections 1-4; 6-8; 12-11; 16

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult SePRO Corporation for Further Information.

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