

Nichino America, Inc.

FujiMite® 5EC Miticide/Insecticide

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1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product:** FujiMite® 5 EC Miticide/Insecticide  
**Synonyms:** NNI-850  
**General Use:** Miticide/Insecticide  
**Product Description:** Emulsifiable concentrate  
**EPA Registry Number:** 71711-19

**Manufacturer**

**Main Headquarter:** Nihon Nohyaku Co., Ltd., 1-2-5, Nihonbashi, Chuo-ku,  
Tokyo, 103 JAPAN

Non-emergency information:

Phone: 81-3-3274-3420

Facsimile: 81-3-3281-2443

Emergency information:

Phone: 81-3-3274-1887

**US Connection:** Nichino America Inc., 4550 New Linden Hill Road,  
Suite 501, Wilmington, Delaware 19808, USA

Phone: 302-636-9001

Facsimile: 302-636-9122

**Emergency and Health and Safety Inquiries: 1-800-348-5832 (24-hours)**

**In case of fire or spills, information may be obtained by calling (800) 424-9300.**

**In case of international shipments, call (703) 527-3887.**

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2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Ingredients:**

Active Ingredient: Fenpyroximate 5%

Inert Ingredients\*: Total 95%

\* Contains petroleum distillates

**Chemical Name of**

**Active Ingredient (IUPAC):**

*tert*-butyl (*E*)- $\alpha$ -(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneaminoxy)-*p*-toluate

**CAS Registry No.:** 134098-61-6

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### **3. HAZARD IDENTIFICATION**

#### **Emergency Overview:**

- Pale yellow liquid with a bitter or aromatic odor
- High acute toxicity to aquatic organisms (fish, invertebrates, estuarine and marine organisms)
- Skin and eye irritant

#### **Potential Health Effects:**

- Eye Contact: Causes reversible eye injury.
- Skin Contact: Can cause moderate skin irritation. Harmful if absorbed. through the skin. Does not cause skin sensitization in animal studies.
- Ingestion: No specific health effects are associated with ingestion of a small amount incidental to routine handling and use.
- Inhalation: Inhalation of high concentrations of this product causes signs of respiratory and secretory irritation.
- Chronic (Cancer): EPA has determined there is no evidence of carcinogenicity.
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### **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 five 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:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
- Inhalation:** Move person to fresh air. If person is 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.
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## **5. FIRE-FIGHTING MEASURES**

**Flash Point:** 85.0°C (185°F) (closed cup)

**Extinguishing Media:**

Water spray, foam, dry chemical, and carbon dioxide

**Special Fire-Fighting Procedure:**

Firefighters and others that may be exposed should wear fully 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, flow into ponds, rivers, and lakes.

**Unusual Fire or Explosion Hazard:** None

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, and nitrogen oxides

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## **6. ACCIDENTAL RELEASE MEASURE**

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 it in a metal drum. Thoroughly scrub the floor or other impervious surface with a strong industrial-type detergent and rinse with water.

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 contact.

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

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## **7. HANDLING AND STORAGE**

- Open container with care.
  - Use adequate ventilation.
  - Avoid handling near an open flame or heat source or ignition source.
  - Do not contaminate water by cleaning of equipment or disposal of waste.
  - Avoid contact with skin, eyes, or clothing.
  - Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water.
  - Do not use the toilet before thoroughly washing hands.
  - Remove contaminated clothing immediately and wash thoroughly before reuse.
  - Keep container closed. Store in original container.
  - Store product between the temperatures of 0° C to 38° C.
  - Avoid storage in direct sunlight, excessive heat or cold.
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Local exhaust ventilation may be necessary under certain confined conditions. If practical use ventilation at the sources of air contamination.

### Personal Protective Equipment:

Eye Protection: Wear protective eyewear (safety glasses, goggles or face shield) to prevent eye contact.

Skin Protection: Wear long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves (such as barrier laminate or Viton<sup>®</sup>) 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 (combination or gas/vapor respirator) when handling large quantities without proper ventilation or handling large spills.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow liquid
Specific Gravity:	1.0061 20° C
Bulk Density:	8.37 lb/US gal
Flash Point:	85.0°C (185°F) (closed cup)
pH:	6.13 at 25° C
Viscosity:	5.9 cP at 30 rpm at 20° C
Vapor Pressure (tech):	<7.50 x 10 <sup>-8</sup> torr

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## 10. STABILITY AND REACTIVITY

Flammable Point:	None
Auto Ignition:	None
Storage Stability:	This product is stable for at least 12 months under normal storage conditions 25°± 2° C.
Incompatibility With Other Materials:	Not known
Hazardous Decomposition Products:	None
Hazardous Polymerization:	None

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## 11. TOXICOLOGICAL INFORMATION

Oral	Rat LD <sub>50</sub>	Male: 810 mg/kg Female: 1004 mg/kg
Dermal	Rat LD <sub>50</sub>	Male: > 5,000 mg/kg Female: > 5,000 mg/kg
Inhalation	Rat LD <sub>50</sub>	Male: 0.63 mg/l (4 hrs) Female: 0.51mg/kg (4 hrs)
Eye Irritation	Rabbit	Moderately irritating MMTS 30.0
Skin Irritation	Rabbit	Moderately irritating PDII 4.6
Skin Sensitization	Guinea Pig	Non Sensitizing

*The following data were developed with **Fenpyroximate Technical**, the active ingredient of FujiMite® 5EC:*

### **Sub-Chronic and Chronic Effects (Target Organ Effects)**

Fenpyroximate technical was shown to have no target organ effects in the 90-day animal studies. Effects of decreased body weight and food consumption was observed in rats at 7.4 mg/kg/day and in dogs at 2 mg/kg/day.

In long-term chronic studies no target organ toxicity was observed. Reduction in body weight was seen at 3-4 mg/kg/day in the rat in a 2-year study. Similarly weight loss was observed after a one-year exposure to dogs at 15 mg/kg/day and after an 18-month exposure to mice at 9.5 mg/kg/day.

### **Cancer Effects**

Fenpyroximate was tested in lifetime studies in rats and mice and was not carcinogenic.

### **Teratogenic Effects (Birth defects)**

Fenpyroximate technical demonstrated no developmental toxicity in the rabbit at dose levels up to 5 mg/kg/day or in rats also at 5 mg/kg/day.

### **Reproduction**

Fenpyroximate demonstrated no adverse effects on reproductive performance in a two-generation rat reproduction study. The highest dose tested (6.6 – 8.6 mg/kg/day) resulted in decreased weight gain in both the parents and offspring.

### **Mutagenicity (Genetic Effects)**

Fenpyroximate was not mutagenic when tested in a battery of five different test systems.

## **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 wash water or rinsate.

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## **13. DISPOSAL CONSIDERATION**

**General Disposal Guidance:** Any disposal practice must be in compliance with all federal, state/provincial, and local laws and regulations. State (provincial) 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.

Refer to appropriate federal (RCRA: 40 CFR.261), state/provincial, or local requirements for proper classification information. For regulatory information on the ingredient components, see Section 15.

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray, 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 empty container. Triple rinse (or equivalent) and puncture. Then offer for recycling or reconditioning, or 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.

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## **14. TRANSPORT INFORMATION**

DOT:	Not regulated
IATA:	Not regulated
IMO:	Not regulated

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## **15. U.S. REGULATORY INFORMATION**

EPA Registration Number: 71711-19

SARA Title III Notifica-

tion and Information: None

TSCA Inventory: Registered Pesticide; exempt from TSCA

§ 15 Prop 65 (CA): Not regulated

**Regulatory Controls:** This product is registered under Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C.). It is a violation of Federal Law to use this product in a manner that is inconsistent with its labeling.

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**Disclaimer of Expressed and Implied Warranties:** This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with FIFRA label instructions.

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**Prepared by:**

Regulatory Affairs

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071509

**Reason for Editing:**

Updated JPN telephone numbers