

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT INFORMATION

Chemical Name/Synonym: Fenpyroximate
Chemical Family: Mitochondrial electron transport inhibitor
Formula: C₂₄H₂₇N₃O₄

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
Fenpyroximate	134098-61-6	0.30%	
1,1-dimethylethyl (E)-4-[[[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoate			

3. HAZARD INFORMATION

**PRECAUTIONARY
STATEMENTS
CAUTION
KEEP OUT OF REACH OF
CHILDREN CAUSES MODERATE
EYE IRRITATION**

SIGNS AND SYMPTOMS OF OVEREXPOSURE

No known health conditions are aggravated by exposure to this product.

PRIMARY ROUTE OF ENTRY Dermal/Eye: Yes. Oral: No. Inhalation: No.

ACUTE TOXICITY

Oral: No specific hazard identified.
Dermal: No specific hazard identified.
Inhalation: No specific hazard identified.

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Avoid contact with skin. Slightly irritating.
Eye Irritation: Avoid contact with eyes. Causes moderate eye irritation
Sensitizer: Not a sensitizer.

4. FIRST AID MEASURES

Eye: 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 if needed.
Note to Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

5. FREFIGHTING MEASURES

NFPA Rating: **Health:** 1. **Fire:** 1. **Reactivity:** 0.

- Flammability Class:** Not available.
- Flash Point:** Not available.
- Explosive Limits (% of Volume):** Not available.
- Extinguishing Media:** Water spray, foam, CO₂, dry chemical.
- Special Protective Equipment:** Use positive pressure self contained breathing apparatus and full protective equipment.
- Fire Fighting Procedures:** Normal procedures. Do not allow water from fire fighting areas to enter sewers.
- Combustion Products:** Carbon dioxide, carbon monoxide, and oxides of nitrogen.
- Unusual Fire/Explosion Hazards:** None.

6. ACCIDENTAL RELEASE MEASURES

- Steps to be taken:** If necessary, absorb spills with an inert material, sweep up material and put in container for disposal.
- Absorbents:** If in liquid form, use clay granules, sawdust, dirt or equivalent.
- Incompatibles:** Strong oxidizing agents.

7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
- Storage:** Do not contaminate water, food, or feed by storage. Store in a cool, dry place (<90° F). Store separately from food and feed in closed, original containers out of the reach of children. Protect from light and humidity. Prepare a fresh solution just before each application.

8. EXPOSURE CONTROL/PERSONAL MEASURES

- Exposure Limits:** Not established.
- Ventilation:** Use with adequate ventilation.
- Personal Protective Equipment:** Use protective eyewear and chemical resistant gloves to avoid contact with eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor:** White to pale yellowish greasy mass.
- Boiling Point:** Not applicable.
- Melting Point:** Not known.
- Vapor Pressure (mm Hg):** Not applicable.
- Vapor Density (Air = 1):** Not applicable.
- Specific Gravity:** 9.1 lbs per gallon.
- Bulk Density:** 1.1.
- Solubility:** 75%.
- Evaporation Rate:** Not applicable.
- pH:** Not known.

10. STABILITY AND REACTIVITY

- Stability:** Stable.

Reactivity: Not reactive.
Incompatibility w/ Other Materials: No incompatibilities known except for strong oxidants.
Decomposition Products: Oxides of carbon from incomplete combustion.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral toxicity: LD50 >5000 mg/kg
Acute dermal toxicity: LD50 >5000 mg/kg
Skin irritation: Slight irritant
Eye irritation: Mild irritant
The product is not a dermal sensitizer

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

No target organs were identified in a chronic toxicity study in rats. Fenpyroximate is not a carcinogen.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

Fenpyroximate is not a reproductive toxin and it is not teratogenic.

MUTAGENICITY [Specific to Active Ingredient(s)]

Fenpyroximate is not a mutagen.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE [Active Ingredients Only]

Hydrolysis: Not available.
Photolysis: Not available.
Soil half life: DT₅₀ 26.3 - 49.7 d.
Water solubility: 8.01 mg/L.

ECOTOXICITY [Active Ingredients Only]

Acute Toxicity: Rainbow trout: 96-hr LC50 = 0.00105 mg/L.
Daphnia: 48-hr EC50 = 0.00328 mg/L.
Algae: 72-hr EbC50 = 0.00344 mg/L.

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not regulated under DOT 49 CFR or International Transportation Regulations.
Freight Classification: Insecticides NOI NMFC I-102120 CLASS 60.

15. REGULATORY INFORMATION

CERCLA (Superfund): Not regulated.
RCRA: Not regulated.

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes.
Delayed Health: No.
Fire: No.
Sudden Pressure: No.
Reactivity: No.

