Material Safety Data Sheet

Effective Date: 05-MAR-2012
Product: PRO-MATE BIFENTHRIN

I. IDENTIFICATION

Chemical Name: Bifenthrin
Chemical Family: Pyrethroid Insecticide
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 279-3206-5905

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.024 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Disperses
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Beige liquid with bland odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Bifenthrin	82657-04-3	7.90	N/E	
Propylene Glycol	57-55-6	<6.20	N/E	
Inert ingredients		85.90		Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >212 Degrees F. (TCC)
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Use foam, carbon dioxide or dry chemical. Soft stream water fog only if necessary. Contain all runoff.
Special Fire Fight Proc: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.
Fire and Expl Hazard: Slightly combustible. This material may support combustion at elevated temperatures.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by NTP, IARC or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing:	This product has low oral toxicity - Oral LD50 632 mg/kg (rat). In humans, ingestion of large amounts of propylene glycol has resulted in symptoms of reversible CNS depression (stupor, rapid breathing and heartbeat, profuse sweating and seizures).
Skin Absorption:	This product has low dermal toxicity - Dermal LD50 >2,000 mg/kg (rabbit). Bifenthrin may occasionally produce skin reversible sensations such as rashes, numbing, burning or tingling.
Inhalation:	This product has low inhalation toxicity - Inhalation LC50 11.58 mg/L/1 hour.
Skin contact:	Non-irritating. Experience to date indicates that contact with bifenthrin may occasionally produce reversible skin sensations such as rashes, numbing, burning or tingling. Sensations usually subside within 12 hours.
Eye Contact:	Practically non-irritating to the eyes.
Chronic Effects:	No data available for this formulation.
Other Hazard:	None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing:	Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Never induce vomiting or give anything by mouth to an unconscious person. Contact a medical doctor.
Skin:	Wash affected areas with plenty of soap and water. If irritation develops, consult a physician.
Inhalation:	Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.
Eyes:	Flush with plenty of water. Get medical attention if irritation occurs and persists.
Notes to Physician:	This product has low oral, dermal and inhalation toxicity. It is practically non-irritating to the eyes and is non-irritating to the skin. Reversible skin sensations

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(paresthesia) may occur and ordinary skin salves have been found useful in reducing discomfort. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

VI. REACTIVITY

Stability:	Stable
Conditions to Avoid:	Excessive heat and fire.
Polymerization:	Will Not Occur
Conditions to Avoid:	None currently known.
Incompatibility material:	Avoid exposure to excessive heat and fire.
Hazardous Combustion:	May produce carbon monoxide, carbon dioxide, chlorine, fluorine, hydrogen chloride and hydrogen fluoride.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc:	Wear protective equipment indicated in Section VIII. Dike to contain spill and absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal. To clean and neutralize spill area, wash with a solution of caustic or soda ask and an appropriate alcohol(i.e., methanol, ethanol or isopropanol). Follow by washing with a strong soap and water solution. Containerize all washwaters and dispose of properly.
Waste Disposal Method:	This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration:	NIOSH-approved air-purifying respirator with organic vapor cartridge.
Ventilation:	General or local exhaust normally sufficient.
Gloves:	Chemical-resistant
Eyes:	Chemical goggles or face shield
Other:	Emergency shower, eyewash station, long sleeve shirt and pants or disposable coveralls, and footwear.

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IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or storm sewers. Store in a cool, dry, well-ventilated place.

Other precaution: Do not use or store near heat, open flame or hot surfaces. Ventilate all transport vehicles prior to unloading.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT in non-bulk packagings. Regulated as Marine Pollutant under EU guidelines.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Pesticides, NOI, Insecticides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

Chemical Name	Equivalent R.Q.
Not applicable	Not applicable

TRANSPORTATION NOTE:
If container >119 gallons or shipped by vessel (boat), ship as:
UN3082, Environmentally hazardous substances, liquid, n.o.s. (bifenthrin), 9, PG III, Marine Pollutant "ERG # 171"

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 2 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: Y
Sudden Release of pressure: N Fire: N
Reactive: N

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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