



**Hangzhou Tianlong Biotechnology Co., Ltd.**

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

## MATERIAL SAFETY DATA SHEET

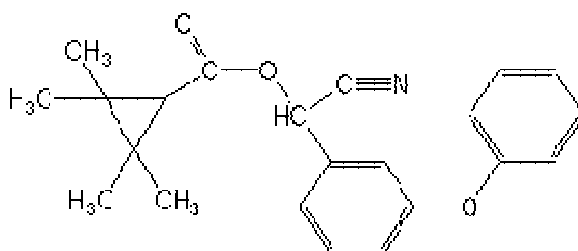
### 1. Chemical Product and company Identification

Product Name: Fenpropathrin

Molecular Formula:  $C_{22}H_{23}NO_3$

Molecular Weight: 349.4

Structural Formula:



Chemical Name: alpha-cyano-3-phenoxybenzyl 2, 2, 3, 3-tetramethylcyclopropanecarboxylate

CAS No.: 3915-41-8

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020

Tel: 0086-571-87214516

Fax: 0086-571-87079476

### 2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Fenpropathrin	3915-41-8	95.0
Other ingredients		5.0

### 3. Hazards Identification

Danger: Corrosive causes irreversible eye damage. May be fatal if swallowed. Harmful if inhaled. Avoid inhaling fume or spray mist. Do not get in eyes, on skin or on clothing. Aspiration hazard, do not induce vomiting. Keep out of children.

### 4. First Aid Measures

EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. Get medical attention.

SKIN: Wash with soap and water. Remove and wash contaminated clothing separately. Get medical attention if irritation persists.

INGESTION: If swallowed, Do not induce vomiting. Call a physician or Poison Control Center. Promptly drink a large quantity of milk, egg whites or gelatin solution. If these are not available, drink large quantities of water. Avoid alcohol. Get medical attention immediately.

INHALATION: If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention

## **5. Fire-Fighting Measures**

Flash Point: 250°C

Method: Setaflash

Autoignition: NDA

Extinguishing Media: CO<sub>2</sub>, dry chemical, foam, water fog.

Fire Fighting Instructions: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85°F.

## **6. Accidental Release Measures**

For Or Spills on Land:

Containment: Avoid runoff into storm sewers and ditches which lead to waterways. Contained spilled liquids with dry sorbents.

Cleanup: Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container.

For Spills In Water:

Containment: This material forms an emulsion in water. Stop or reduce contamination of any water. Isolate contaminated water.

Cleanup: Remove contaminated water for treatment or disposal.

## **7. Handling And Storage**

Do not use or store near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed.

Do not weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

## **8. Exposure Controls/Personal Protection**

Eye Protection: Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

Respration/Vetilation: This material may be an inhalation hazard and,

unless ventilation is adequate, the use of approved respiratory protection is recommended. Use this material only in well ventilated areas.

Skin Protection: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

## 9. Physical and Chemical Properties

Appearance: Brown liquid

Melting Point: 45-50°C

Boiling Point: NDA

Relative density : 1.15 @ 25°C

Solubility: Forms an emulsion in water. Soluble in common organic solvents.

Vapor Pressure:  $1.29 \times 10^{-3}$  mPa @ 20°C

Partition Coefficient: 1000000

Flash point : 205°C

PH: 4 – 5 (1% emulsion)

Viscosity: 5 cps @ 20°C

Corrosion Characteristics: NDA

## 10. Stability and Reactivity

Chemical Stability: Stable. Do not store at temperatures below 30 °F.

Incompatibility: Avoid contact with alkaline materials.

Oxidation/Reduction Properties: NDA

## 11. Toxicological Information

ACUTE (Product Specific Information):

Eye Irritation: Corneal involvement or irritation persisting for more than 21 days. (Toxicity Category I)

Skin Irritation: Moderate irritation (erythema) at 72 hours. (Toxicity Category III)

Dermal Toxicity: The dermal LD50 in rabbits is greater than 2 g/kg. (Toxicity Category III)

Oral Toxicity: The oral LD50 in rats is 66 mg/kg (Toxicity Category II)

Inhalation Toxicity: The 4-hour inhalation LC50 in male rats is 1.43 mg/l. (Toxicity Category II) This product is also expected to be a respiratory irritant.

Skin Sensitization: This product did not produce a positive skin reaction in a Buehler Skin Sensitization Test.

## 12. Ecological Information

Avian Toxicity: Fenprothrin technical is slightly toxic to birds following acute exposures.

Oral LD50 mallard duck: 1,089 mg/kg

Dietary LC50 bobwhite quail: > 10,000 ppm

Dietary LC50 mallard duck: 9,026 ppm

No reproductive effects were observed in mallard ducks or bobwhite quail

exposed to dietary levels of fenpropathrin technical. In mallard ducks, a NOEL was established at 125 ppm. In bobwhite quail, the NOEL was established at 25 ppm.

### **13. Disposal Considerations**

Disposal Methods: Check governmental regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations.

### **14. Transport Information**

Pack group : III  
HAZARD CLASS NO.: 6.1  
UN UN. :2902

### **15. Regulatory Information**

Safe phrase: Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

### **16. Other Information**

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.