



Hangzhou Tianlong Biotechnology Co., Ltd.

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

MATERIAL SAFETY DATA SHEET

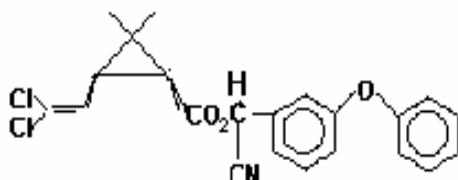
1. Chemical Product and company Identification

Product Name: Beta-Cypermethrin

Molecular Formula: C₂₂H₁₉Cl₂NO₃

Molecular Weight: 416.3

Structural Formula:



Chemical Name: alpha-cyano-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane-carboxylate

CAS No.: 65731-84-2

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Beta-Cypermethrin	65731-84-2	97.0
Other ingredients		3.0

3. Hazards Identification

Inhalation: harmful. May cause eye irritating.

4. First Aid Measures

Inhalation: remove the wounded to fresh air, seek medical advice.

Eye: wash out immediately with plenty of water for at least 10 minutes.

Skin: wash with plenty of water and soap.

Ingestion: drink 1-2 glasses of water induce vomiting by touching the back of the throat with a finger do not induce vomiting or give anything by mouth to an unconscious person contact a physician immediately.

5. Fire-Fighting Measures

Extinguishing media: dry chemical, CO₂, foam.

Hazards: form carbon oxides, hydrogen cyanide, chlorine, hydrochloric acid.

Protective equipment: self-contained breathing apparatus.

6. Accidental Release Measures

Spill: absorb with sand or vermiculite and place in a labelled, sealable container for subsequent disposal - disposal: see section 13. prevent contamination of water and sewer system.

7. Handling And Storage

Handling: ventilation when using does not eat, drink or smoke, wash hands after handling the product.

Storage: store in a frost-free place do not use or store near heat or open flame.

8. Exposure Controls/Personal Protection

Personal protection: respirator, rubber gloves, protective goggles, protective clothing.

9. Physical and Chemical Properties

Appearance: White to pale yellow crystal

Melting point: 64-71°C

Vapour Pressure: 1.8×10^{-4} mPa(25°C).

In water: 51.5 (5°C), 93.4 (25°C), 270.6 (35°C) (all in ug/l, pH 7). In isopropanol 11.5, xylene 349.8, dichloromethane 3878, acetone 2102, ethyl acetate 1427, petroleum ether 13.1 (all in mg/ml, 20°C).

Stable to 150°C, to air and sunlight; in neutral and slight acidic media; epidermises in presence of base, hydrolysed in strongly alkaline media. DT50

(extrapolated) 50 d (pH 3, 5, 6), 40 d (pH 7), 20 d (pH 8), 15 d (pH 9) (all at 25°C).

10. Stability and Reactivity

Stability: Stability Stable in nertral and acidic media, hydrolyzed in strong alkaline media.

11. Toxicological Information

Acute oral LD₅₀ for female rats 166, male rats 178, female mice 48, male mice 43 mg/kg. Acute percutaneous LD₅₀ for rats >5000mg/kg; mild skin and eye irritant (rabbits); non-sensitizing to skin (guinea pigs). Inhalation LC₅₀ (4h) for rats >1.97 mg/l. NOEL (2y) for rats 250 mg/kg diet; (90d) for rats 100 mg/kg diet.

12. Ecological Information

Ecotoxicity: (Fish): LC₅₀ (96h): 0,028 mg/l

13. Disposal Considerations

Disposal: Incineration in accordance with local state laws and regulations.

14. Transport Information

UN NO.: 3077

Class: 9

Packing group: III

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.