



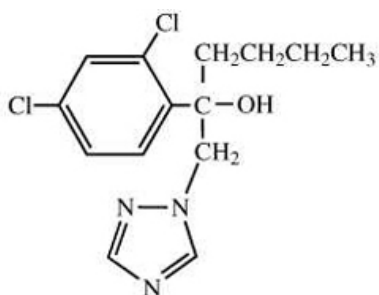
Hangzhou Tianlong Biotechnology Co., Ltd.

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: Hexaconazole
Molecular Formula: C₁₄H₁₇Cl₂N₃O
Molecular Weight: 314.2
Structural Formula:



Chemical Name:

-butyl- α -(2, 4-dichlorophenyl)-1*H*-1, 2, 4-triazole-1-ethanol

CAS No.: 79983-71-4

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 % |
|--------------------|------------|-----------|
| Hexaconazole | 79983-71-4 | 95.0 |
| Others ingredients | | 5.0 |

3. Hazards Identification

Primary Route of Entry:

Inhalation, absorption skin contact

Potential health effects: Emergency overview

Human

Eyes: Can cause temporary mild irritation.

Skin: Can cause a slight irritation on more sensitive areas (face, eyes, and mouth)

Ingestion: Can cause stomach irritation resulting in nausea, cramps and vomition.

Large does may cause nasal and respiratory irritation.

Inhalation: Excessive inhalation can cause nasal and respiratory irritation.

Ecological: Slight toxic to fish and aquatic life.

4. First Aid Measures

Eyes: Flush immediately with fresh water for at least 15 minutes while holding eyes open.

Skin: Thoroughly wash with soap and ester.

Ingestion: Give water or milk to drink. Get medical aid before inducing vomiting.

5. Fire-Fighting Measures

Flammable Limits: N/A

Lower Explosive Limit (LEL): N/A

Upper Explosive Limited (UEL): N/A

Fire Extinguishing Media: Dry chemicals, carbon dioxide for small fires.

Water spray or foam for large fires.

Special Fire Fighting Procedures:

Wear niosh/msha approved self-contained breathing apparatus and full protective clothing

Unusual Fire and Explosion Hazards:

Thermal decomposition (e.g. fire) may produce carbon monoxide, carbon dioxide, nitrogen oxides

6. Accidental Release Measures

Steps to be taken in case material is released or spilled:

Appropriate protective equipment must be worn when handling a spill of this material. See Section 8, Exposure Controls/personal protection for recommendations, if exposed to material during clean-up operations, see Section 4, First Aid Measures for actions to follow.

7. Handling and Storage

Avoid eye, skin, and mouth contact. Store in original containers away from food stuffs, animal feed.

8. Exposure Controls/personal protection

Engineering controls: Local exhaust or general ventilation to maintain exposure below PEL.

Personal Protective Equipment (PPE)

Protective gloves, long sleeve shirt when handing. Launder before reuse.

Wear a dust mask while mixing or loading.

Work Practices: Wear appropriate personal protective equipment.

9. Physical and Chemical Properties

Appearance : white crystalline solid.

Melting point 111°C,

Vapor pressure : 0.01mPa@20°C

Relative density: 1.04

Partition coefficient KowlogP=3.9@20°C

Good stability.

Soluble in xylene, acetone, methanol, chloroform; less in xylene, hexane.

Solubility (IN WATER): slightly

10. Stability and Reactivity

Conditions to avoid: None

Incompatibility (MATERIALS TO AVOID): N/A

Stability: This material is well stable in normal condition.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Acute oral LD50 (rat): male 2189mg/kg, female 6071mg.kg

Dermal LD50 (rat): >2000mg/kg

Inhalation LC50 (4h): >5.9mg/l

Skin irritation: no irritation for rabbit

Eye irritation: moderate irritation for rabbit

Carcinogenic effects: Available evidence suggests that Hexaconazole is not carcinogenic

12. Ecological Information

Quail acute oral LD50 : >4000mg/kg

Rainbow trout LC50 (96h):3.4mg/l

Daphnia LC50 (48h): 2.9mg/l

Bee LD50 (48h) : >0.1mg/bee (oral and contact)

Earthworm LC50 (41d): 414mg/kg in soil

13. Disposal Considerations

Pesticide Disposal: Pesticide wastes are slightly toxic, Incinerate all disposal material in accordance according to the local state regulations.

14. Transport Information

Class: 9

UN No.: 3077

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.

16. Other Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in

the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.
If clarification or further information is needed to ensure that an appropriate

risk assessment can be made, the user should contact this company.
Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.