



Hangzhou Tianlong Biotechnology Co., Ltd.

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

MATERIAL SAFETY DATA SHEET

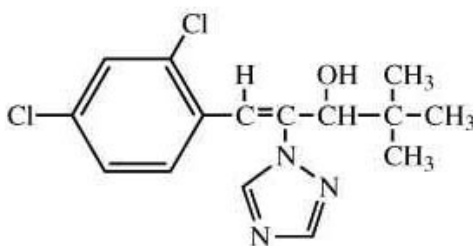
1. Chemical Product and company Identification

Product Name: Diniconazole

Molecular Formula: C₁₅H₁₇Cl₂N₃O

Molecular Weight: 326.22

Structural Formula:



Chemical Name:

(*E*)-β-[(2,4-dichlorophenyl)methylene]-α-(1,1-dimethylethyl)-1*H*-1,2,4-triazol
e-1-ethanol

CAS No.: 83657-24-3

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 %
Diniconazole	83657-24-3	96.0
Others ingredients		4.0

3. Hazards Identification

Signal word: caution

Toxicity class: III

Route of entry: Inhalation, absorption skin contact.

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 self-contained breathing apparatus and full protective clothing

Unusual fire and explosion hazards: Thermal decomposition (e.g. fire) may produce carbon monoxide, carbon dioxide, and 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

Keep out of reach of children. Avoid eye, skin, 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: 134-156°C,

Vapor pressure : 2.93mPa@20°C , 4.9mPa@25°C

Partition coefficient : Kowlog P=4.3@25°C

Relative density: 1.32

Good stability.

Soluble in xylene, acetone, methanol, chloroform; less in xylene, hexane.
Solubility (in water): slightly 4mg/l @25°C

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

Not listed in PAN Bad Actor Chemical
Toxicity: (Rat): Oral LD₅₀ male 639 mg/kg female 474mg/kg;
Dermal > 5000 mg/kg.
Skin irritation (rabbit): non-irritant
Eye irritation(rabbit) : serious
Carcinogenic effects: Available evidence suggests that Dinocnazole is not carcinogenic

12. Ecological Information

Acute inhalation LC50(4h, rat) : >2770mg/l
Acute oral LD50 : Quail 1490mg/kg
Mallard >2000mg/kg
Rainbow trout LC50(96h) :>1.58mg/l
Carp LC50(96h) :4.0mg/l
Bee : acute contact : LD50>20µg /bee

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

CHINA: Dangerous goods for transport
Class: 6.1
UN No: UN 2876
Packaging Group III

15. Regulatory Information

Safety Phrases: Keep out of reach of children
Keep away from food, drink and animal feeding stuff
Do not breathe spray
When using do not eat, drink or smoke
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible)
Use appropriate containment to avoid environmental contamination

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.