

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name : Hexaconazole 94% TC
Chemical Name : α -butyl- α -(2, 4-dichlorophenyl)-1H-1, 2, 4-triazole-1-ethanol
Type : Fungicide
Molecular formula : C₁₄H₁₇Cl₂N₃O

2. Composition/Information on ingredients

Chemical Name	CAS#	Percent or content(w/w)
Hexaconazole	79983-71-4	94.0
Other ingredients	-	6.0

3. Health Hazards Identification

Primary 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

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 handling. 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 : 110-112°C

Solubility in water : Soluble

Bulk density : 1.29

pH : 6.14

Vapour pressure : 0.018 mPa at 20° 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

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

Product Name	:	PYPETHROID PESTICIDE, SOLID, TOXIC
UN No.	:	2903
UN Hazard Class	:	6.1

UN Packing Group : III
Marine Pollutant status : YES
EMS : F-E, S-D

15.Regulatory Information

Not applicable.

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.