

Cyproconazole -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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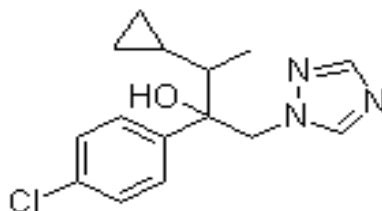
1. Chemical Product Identification

Product Name: Cyproconazole

Molecular Formula: C₁₅H₁₈ClN₃O

Molecular Weight: 291.78

Structural Formula:



Chemical Name:

2-(4-Chlorophenyl)-3-cyclopropyl-1-(1,2,4-triazol-1-yl)butan-2-ol

Form: crystalline solid

Colour: white

Odour: odorless

CAS No.: 94361-06-5

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Cyproconazole	94361-06-5	95.0
Others ingredients		5.0

3. Hazards Identification

May be fatal if swallow.

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

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, 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.

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 103-105°C,

Vapor pressure : 0.0347mPa@20°C

Boiling point : >250°C

Stability.: in water 140mg/l

Soluble in xylene, acetone, methanol

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

Oral LD50 (rat): 1020 mg/kg (male); 1333 mg/kg (female)

Dermal LD50 (rat): >2000 mg/kg

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: An eye irritant.

Skin contact: Contact with skin may result in irritation.

Inhalation: Not expected to cause respiratory irritation.

Long Term Effects:

No information available for the product.

12. Ecological And Ecotoxicological Information

Avoid contaminating waterways and fishponds. :

Aquatic toxicity:

Very toxic to aquatic organisms.

48hr LC50 (Daphnia magna): 26 mg/L

96hr LC50 (bluegill sunfish): 21 mg/L

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

Not applicable.

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.