

Technical Data Sheet for Cyproconazole Technical

IDENTITY:

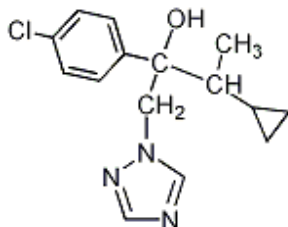
Common name: Cyproconazole

Chemical name:

(2*RS*,3*RS*;2*RS*,3*SR*)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1*H*-1,2,4-triazol-1-yl)butan-2-ol (IUPAC)

Molecular Formula: C₁₅H₁₈ClN₃O

Structural formula:



Cas No.: 94361-06-5

PHYSICAL AND CHEMICAL PROPERTIES:

Molecular Weight: 291.8

Physical Form: Light yellow to white crystalline powder

Technical Purity: 960 g/kg min

Vapor Pressure: 2.6×10^{-2} mPa (25 °C)

Melting point: 106.2-106.9 °C

Partition coefficient: K_{OW} logP = 3.1 (20 °C)

Density: 1.25 g/ml (25 °C)

Solubility in water and organic solvents: 93 mg/l (22 °C). In acetone 360, dichloromethane 430, methanol 410, xylene 120, hexane 1.3 (all in g/l, 25 °C).

Flammability: Non-flammable

Explosivity: Not explosive

USE:

Biochemistry: Sterol demethylation inhibitor.

Mode of action: Systemic fungicide with protective, curative, and eradicant action. Absorbed rapidly by the plant, with translocation acropetally.

Uses: Foliar, systemic fungicide for control of Septoria, rust, powdery mildew, Rhynchosporium, Cercospora and Ramularia in cereals and sugar beet and rust, Mycena, sclerotinia and Rhizoctonia in coffee and turf.

STORAGE:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not contaminate water, food or feed. Avoid exposure to extreme temperatures.

SHELF LIFE:

Stable for 2 years under normal storage conditions.

HANDLING PRECAUTIONS:

Handle product in a well-ventilated area. Normal precautions for handling chemicals should be respected. Use personal protective agents. Keep away from heat or ignition sources.

PACKING:

Woven bags, Iron drums, et. Packed according to the customer's requirement