Myclobutanil is a fungicide used to control Ascomycetes, Fungi Imperfecti and Basidiomycetes in a wide range of crops including table grapes.

Common Name : Myclobutanil
IUPAC Name : (RS)-2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile
C.A. Name : α-butyl-α-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile
Chemical Family : Triazole
Structural Formula :

Empirical formula : C_{15}H_{17}ClN_{4}
Molecular Weight (g mol^{-1}) : 335.8
C.A.S. No. : 88671-89-0
Physical State : Pale yellow solid
Melting Point : 70.9 °C
Odour : Sulphur like odor
Density : 1.24 g/l at 20°C
Vapour Pressure : 0.198 mPa at 25°C
Flash Point : Not expected to self-ignite; Not highly flammable
Explosion Hazard : No explosive or oxidizing
Solubility in water : 132 mg/l at 20 ºC
Stability : Stable in water ant 25 ºC

MYCLOBUTANIL
Sales Specification

Myclobutanil content by mass : 92% min
Moisture content : 0.2% max
Packing : LDPE sack of capacity upto 200 kg, further packed in MS drums.
Transportation information : UN No.3082
Class 9
IMDG code
UN 3082 Environmentally Hazardous Substance, Solid, N.O.S. 9
marine pollutant
Packing Group III

TOXICOLOGICAL PROFILE

LD50 Acute oral : Rat 1600 mg/kg
LD50 acute Percutaneous : Rabbit >5000 mg/kg
LC50 inhalation(4hr) : Rat 5.1 mg/l air
Skin irritation : Rabbit Non-irritant
Eye irritation : Rabbit Mild-irritant
Skin sensitization : Rabbit Not a skin sensitizer