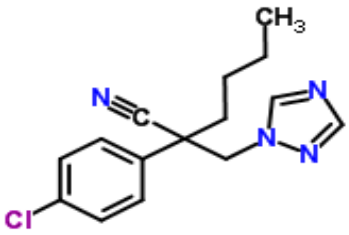
Bharat RASAYAN LIMITED

Regd. Off. : 1501, Vikram Tower, Rajendra Place, New Delhi - 110008
Ph. : +91-11-43661111 (30 lines) • Fax : +91-11-43661100, 41538600
E-mail : info@bharatgroup.co.in • Website : www.bharatgroup.co.in
CIN : L24119DL1989PLC036264

MYCLOBUTANIL

Description of Technical

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

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Explosion Hazard	:	No explosive or oxidizing
Solubility in water	:	132 mg/l at 20 ºC
Stability	:	Stable in water ant 25 ^{o}C

MYCLOBUTANIL
Sales Specification

Myclobutanil content by mass	:	92% min
Moisture content	:	0.2% max
Packing	:	LDPE sack of capacity upto 200 kg, fulther 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