

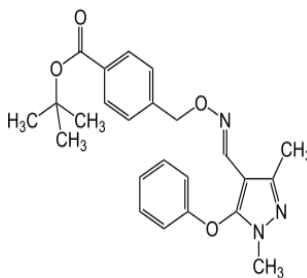
FENPYROXIMATE TECHNICAL

Description of Technical

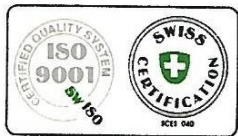
A acaricide used to control important phytophagous mites in fruit.

Common Name	:	Fenpyroximate
IUPAC Name	:	tert-butyl (<i>E</i>)- α -(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneaminoxy)-p-toluate
C.A. Name	:	1,1-dimethylethyl 4-[[[(<i>E</i>)-[(1,3-dimethyl-5-phenoxy-1 <i>H</i> -pyrazol-4-yl)methylene]amino]oxy]methyl] benzoate
Chemical Family	:	Pyrazole

Structural Formula :



Empirical formula	:	C ₂₄ H ₂₇ N ₃ O ₄
Molecular Weight	:	421.49 g/mol
C.A.S. No.	:	134098-61-6
Physical State	:	White crystalline powder
Melting Point	:	100 °C
Density	:	1.25 g/ml
Odour	:	practically odourless
Vapour Pressure	:	0.01 mPa at 25 °C
Flash Point	:	Not expected to self-ignite; Not highly flammable
Solubility in water	:	0.023 mg/l ; Low
Stability	:	Stable in acid and alkali



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Sales specification

Fenpyroximate content by mass	:	98.5% Min.
Moisture content	:	0.5% Max.
Packing	:	LDPE liner of 5-60 kg capacity. Individual primary pack should be further packed in fibre board drum.
Transportation information	:	UN No. 3082 Class 9 Environmentally hazardous Substance, liquid, N.O.S. Packing Group III

Toxicological Profile

LD50 acute oral	:	Rat	480 mg/kg
LD50 acute Percutaneous	:	Rat	>2000 mg/kg
LC50 inhalation (4hr)	:	Rat	>0.33 mg/l
Skin irritation	:	Rabbit	Non Irritant
Eye irritation	:	Rabbit	Slightly irritant
Skin Sensitization	:	Rabbit	non-sensitizer