

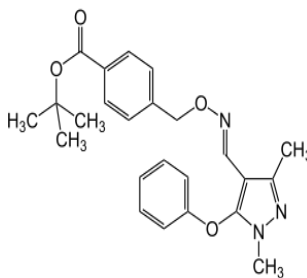
## FENPYROXIMATE TECHNICAL

### Description of Technical

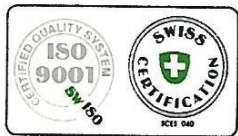
A acaricide used to control important phytophagous mites in fruit.

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

**Structural Formula** :



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



## **FENPYROXIMATE TECHNICAL**

### **Sales specification**

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

### **Toxicological Profile**

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