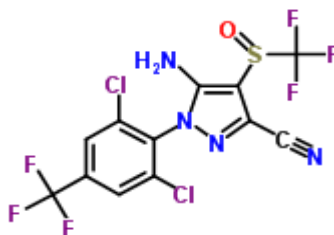


FIPRONIL TECHNICAL

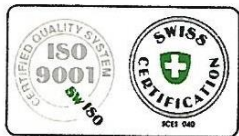
Description of Technical

Fipronil, is a phenyl pyrazole, broad-spectrum insecticide, It is particularly effective by way of ingestion and causes neural excitation and convulsions in insects, resulting in death. It is used to control ants, beetles, cockroaches, fleas, ticks, termites, mole crickets, thrips, rootworms, weevils, and other insects.

Common Name	:	Fipronil
IUPAC Name	:	5-amino-1-(2,6-dichloro- α,α,α -trifluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-carbonitrile
C.A. Name	:	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile
Chemical Family	:	Phenylpyrazole
Structural Formula	:	



Empirical formula	:	C ₁₂ H ₄ Cl ₂ F ₆ N ₄ OS
Molecular Weight (g mol⁻¹)	:	437.15
C.A.S. No.	:	120068-37-3
Physical State	:	White solid
Melting Point	:	203 °C

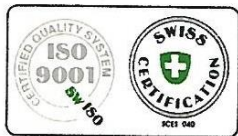


Odour	:	Moldy odor
Density	:	1.71 g/l at 20 °C
Vapour Pressure	:	0.002 mPa at 25 °C
Flash Point	:	Not expected to self-ignite; Not highly flammable
Explosion Hazard	:	Not explosive
Solubility in water	:	3.78 mg/l at 20 °C
Stability	:	Stable in water at pH 5 and 7; slowly hydrolysed at pH 9. Stable to heat.

FIPRONIL TECHNICAL

Sales Specification

Fipronil content by mass	:	92% min
Moisture content	:	0.2% max
Packing	:	25 kg HDPE bags
Transportation information	:	UN No.2588 Class 6.1 IMDG code UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S 6.1 PG III Not a marine pollutant Packing Group III



TOXICOLOGICAL PROFILE

LD50 Acute oral	: Rat	97 mg/kg
LD50 acute Percutaneous	: Rabbit	>2000 mg/kg
LC50 inhalation(4hr)	: Rat	>0.682 mg/l air
Skin irritation	: Rabbit	Non-irritant
Eye irritation	: Rabbit	Non-irritant
Skin sensitization	: Rabbit	Not a skin sensitizer