

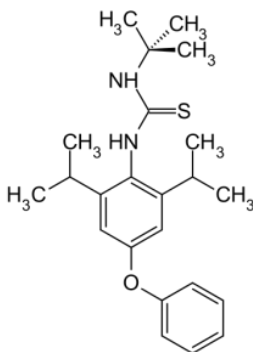
DIAFENTHIURON TECHICAL

Description of Technical

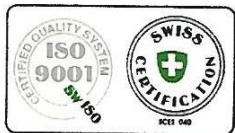
Common Name : **DIAFENTHIURON**
IUPAC Name : 1-tert-butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea
C.A.S. Name : *N*-[2,6-bis(1-methylethyl)-4-phenoxyphenyl]-*N'*-(1,1-dimethylethyl)thiourea

Chemical Family : Thiourea

Structural Formula :



Empirical formula : C₂₃H₃₂N₂OS
Molecular Weight : 384.58
C.A.S. No. : 80060-09-9
Physical State : White powder
Melting Point : 146
Density : 1.09g/ml
Odour : Non specific
Vapour Pressure : 2 x 10⁻³ mPa
Flash Point : Not expected to self-ignite
Explosion Hazard : Non explosive
Solubility in water : Low; 0.06
Stability : Stable in air and water, and to light



DIAFENTHIURON

Sales specification

Diafenthiuron content by mass	:	96% Min.
Moisture content	:	0.4% Max.
Packing	:	LDPE liner of thickness 0.062 mm of capacity 25-100 kg.
Transportation information	:	UN No. 3077 Class: 9 Environmentally hazardous Substance, solid, N.O.S. Marine pollutant Packing Group III

Toxicological profile

LD50 acute oral	:	Rat	2068 mg/kg
LD50 acute Percutaneous	:	Rabbit	>2000 mg/kg
LC50 inhalation (4hr)	:	Mice	0.558mg/l
Skin irritation	:	Rabbit	Non- irritant
Eye irritation	:	Rabbit	Non- irritant
Skin Sensitization	:	Rabbit	Not a skin sensitizer