



TECHNICAL DATA BULLETIN

PRODUCT TECHNICAL INFORMATION AND APPLICATIONS

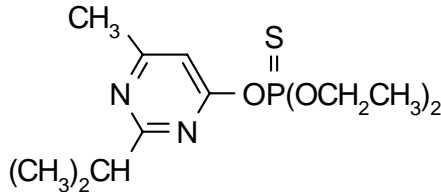
ECTOCIDOL® 600EC

“DIAZINON 60%”

1. GENERAL:

Ectocidol 600EC is an emulsifiable concentrate formulation of the organophosphate insecticide containing 600 g/L of the active ingredient "Diazinon" with contact and stomach-poison activity. **Ectocidol** 600EC is formulated for use on livestock animals and pets as spray or dipping solutions for ectoparasites control.

2. ACTIVE INGREDIENT:

Common name	Diazinon
Chemical Group	Organophosphorus
CAS Registry No.	333-41-5
Molecular Formula	C ₁₂ H ₂₁ N ₂ O ₃ PS
Structural Formula	
Molecular weight	304.3
Vapour Pressure	1.2 × 10 ¹ mPa (25 °C) (OECD 104)
K _{ow} log P	3.30 (OECD 107)
Acute oral LD ₅₀ , Male rat	1250 mg/kg
	<ul style="list-style-type: none">• Toxicity classification WHO: II ; EPA: II or III• It is highly toxic to bees• ADI: 0.002 mg/Kg b.w.



3. PHYSIOCHEMICAL PROPERTIES:

Ectocidol 600EC conforms to WHO specification approved on September 1989.

Assay:	Diazinon 600 ± 5 g/L
Appearance:	Clear brown liquid free of visible impurities.
Odour:	Faint ester-like odour
Water contents:	2.0 g/Kg
Flash Point:	>40°C

4. MODE OF ACTION:

Ectocidol 600EC contains the active ingredient Diazinon, which is a cholinesterase inhibitor, non-systemic broad-spectrum insecticide and acaricide with contact, stomach and respiratory action.

Ectocidol 600EC is a broad-spectrum insecticide. It has a good residual effect. It does not accumulate and it is readily biodegradable.

5. USES:

Ectocidol 600EC is recommended for Mites, Ticks, Mosquitoes, Flies and other ectoparasites associated with livestock animals or pets.

6. APPLICATION:

Ectocidol 600EC is applied as a spray after dilution with water. The target pest, degree of infestation, surface to be treated and the prevailing climatic conditions determine the frequency of application and dosage rates. However, the standard concentrations for successful application are as follows:



Animals	Application Rate		Withdrawal Time
	Dipping	Spraying	
Sheep and Goat	15 ml / 100L of Water	25 ml / 100 L of water	Milk: 7 Days
Cattle, Camels And Horses	30 ml / 100L of Water	30 ml / 100 L of water	Meat: 14 Days

7. COMPATIBILITY:

Ectocidol 600EC is compatible with other pesticides but incompatible with copper-containing compounds.

8. HANDLING, STORAGE AND TRANSPORTATION:

When handling **Ectocidol** 600EC operation personnel should wear impermeable boots, clean overalls, appropriate gloves, hats and face - mask. All protective clothing should be washed immediately after use. Hands and other exposed skin should be washed before eating, drinking or smoking.

Ectocidol 600EC should be transported and stored in clearly labeled rigid and leak-proof containers, away from containers of food, feed and drink. Storage should be under lock and key and secure from access by unauthorized persons and children.



APPLICATION

1. GENERAL:

Ectocidol 600 EC is an organophosphorus insecticide. It consists of Technical Diazinon dissolved in the appropriate Solvent and other formulants.

2. USE

Ectocidol 600EC is an insecticide and acaricide with contact, stomach and respiratory action. It is used as a veterinary ectoparasiticide for the control of sheep scab as well as the prevention and treatment of blowfly strike, ticks, keds and lice infestations on livestock.

Ectocidol 600EC is also recommended for the control of insect pests in animal houses.

When used for sheep dipping the best practice is to keep the sheep totally immersed in the bath except the head and ears. The animal must remain immersed for not less than one minute. The animal head should be plunged under at least two times allowing for breathing between plunges.

The dipping solution is prepared by adding 300 ml of Ectocidol 600EC to 450 liters of water. Dip baths of 2,250 litres should be re-inforced by adding 200 ml of ectocidol 600EC for every 40 sheeps dipped and the level of water should be kept at above 75% of the original volume.

During heavy infestations of blowfly sheeps can be dipped every 8 – 9 weeks. For ked and lice control sheeps can be dipped in Ectocidol 600EC dipping solution any time of the year.

Ticks can be controlled using Ectocidol 600EC dipping at 4-5 weeks interval.

Ewes are to be treated two to three days before Lambing.

3. COMAPTIBILITY

Ectocidol 600EC is compatible with many other pesticides; however, it is incompatible with copper containing compounds.