

## KEY INFORMATION

Pesticide Type:	Residual Insecticide
Pesticide Group:	Synthetic Pyrethroids
Active Constituent:	Deltamethrin, d Trans Tetramethrin and Piperonyl Butoxide
Concentration:	10g/L Deltamethrin, 10g/L d Trans Tetramethrin, 800g/L Piperonyl Butoxide
Toxicity of Active:	Oral LD50>40,000mg/kg
Resistance Group:	Group 3A Insecticide
AQIS Approval:	Category 16 – Pesticide Type D – expires 13 <sup>th</sup> Aug. 2009

## FORMULATION

Suspension concentrate which is a water based, particulate suspension of the technical grade insecticides which are microground so that it can be further diluted with water.

## PEST CONTROLLED

Cockroaches, fleas, spiders, silverfish, bird mites, carpet beetles, clothes moths, bed bugs, house flies, mosquitos and wood destroying beetles.

## SITUATION

Domestic, Commercial and Industrial

## SYNTHETIC PYRETHOIDS

Are a group of Insecticides based on the structure of natural pyrethrum/pyrethrins, are considered to be of low toxicity to humans and other mammals, because they are rapidly broken down in the body. They decompose quickly in biotic systems and thus pose little risk to the environment.

## APPLICATION

Blitz is for surface treatment only and should not be sprayed into the atmosphere using foggers or other machinery designed to create an aerosol.

## MODE OF ACTION

Synthetic Pyrethroids interfere with the permeability of sodium ion channels across nerve membranes. Piperonyl Butoxide interferes with the metabolism of the pyrethroids which occurs by oxidation thus preventing the insect from detoxifying the insecticide, thus enhancing its activity i.e. it has a synergistic effect.

## SPECIAL COMMENTS

The use of a residual spray in cockroach control may be counter productive to the benefits of using a gel bait under certain circumstances. Residual spray should be used as barrier treatments or residual ground sprays to help prevent movement and spread of the infestation away from the areas where baits have been applied or entry of new insects into the premises. All Pyrethroids are toxic to aquatic organisms, so caution should be used near fish tanks etc.