

KEY INFORMATION

Pesticide Type:	Residual Insecticide (Liquid)
Pesticide Group:	Synthetic Pyrethroid
Active Constituent:	Alpha-cypermethrin
Concentration:	5.0% or 50g/L
Toxicity of Active:	Oral LD50 (rats) 4190mg/kg Dermal (rabbit)>2000mg/kg
Resistance Group:	Group 3A Insecticide
AQIS Approval:	Category 16 – Pesticide Type D – expires 22 nd Feb. 2006

FORMULATION

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

PEST CONTROLLED

Cockroaches, spiders, silverfish, fleas, flies and ants.

SITUATION

Industrial, Commercial, Domestic, Public Health

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

Zenith is for surface treatment only and should not be sprayed into the atmosphere using foggers or other machinery designed to create an aerosol. Can be used in pneumatic sprayers, trolley units and truck mounted power spray units.

MODE OF ACTION

Alpha-cypermethrin acts in three ways, it has knockdown effect when sprayed on an insect directly, secondly as a stomach poison when pests ingest treated material and thirdly when pests come into contact with a treated surface as residual activity.

SPECIAL COMMENTS

Zenith's high concentration of active ingredient means that less chemical is needed per litre of finished product. The use of 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.