

What is Cislin and how does it work?

Cislin contains a compound called deltamethrin. Deltamethrin (and other pyrethroids) are synthetic derivatives of the natural insecticide pyrethrum.

Deltamethrin has a very high level of safety at approved use rates and has a number of important uses worldwide. It is one of the main compounds used in the fight against malaria-carrying-mosquitoes (both as an indoor spray but also for the treatment of mosquito bednets).

In fact Cislin is approved for use in the treatment of mosquito bednets.

Cislin affects a specific area of the insects nervous system. Insects are much more susceptible to deltamethrin than humans, other mammals and birds.

How is the product applied and how much is applied?

Cislin 25 is diluted in water, 6 - 12 mL/L, and then this mixture is sprayed onto surfaces at a rate of about 50 mL of diluted liquid per square metre.

This equates to between 7.5 mg and 15 mg of active ingredient applied per square metre of surface.

Putting this into context

Like all chemical compounds, it is a question of dose. Many compounds which we are exposed to every day are potentially toxic (eg. caffeine and salt) but the doses we are exposed to are low enough for them not to be. Cislin is less toxic than salt and caffeine and, at labelled rates, the potential for exposure is extremely low.

Is it safe for my family and pets to be in the area where the product has been applied?

Yes it is safe, deltamethrin binds tightly to surfaces where it is applied and is not readily dislodged. It is not volatile so no airborne residues are generated after spray droplets have settled. Studies carried out by Bayer have proven this. As a matter of good practice it is recommended to vacate the premises whilst the pest manager is applying the product and

to re-enter once spray deposits are dried (usually after a few hours). Deltamethrin is not carcinogenic, mutagenic or teratogenic. There are no long term adverse effects expected from working or residing in treated areas.

What testing has been done on the product to prove its safety?

Bayer has extensive testing facilities in Europe and the USA and has carried out safety testing in Australia. Bayer employs a team of toxicologists and has a department dedicated to human risk assessment analysis. Deltamethrin is one of the core molecules manufactured by Bayer and the toxicological profile of Cislin is well known. Extensive studies have been conducted on the product which have been independently assessed by the federal regulatory body (the APVMA).



has a very low rate of application and provides the ideal balance between performance and product safety which is required for optimum results. Cislin 25 is 2.5 times more concentrated than

Bayer is committed to sustainable development. Cislin 25

other generic alternatives which allows reduced packaging and waste. Bayer is a leader in sustainable development within the industry and has been included in the Dow Jones Sustainability World Index on a number of occasions and is the first European Chemical company to be listed in the Carbon Disclosure Leadership Index.

How can we trust this information?

All insecticides in Australia are required to be registered with the Australian Pesticides and Veterinary Medicines Authority. The assessment process for a proprietary product like Cislin requires submission of an extensive data set which is independently assessed by expert government regulatory bodies before the product can be sold. (The same level of data is not provided to support registration of generic copies).

Where can I get more information?

Bayer Technical enquiries line:

1800 804 479

Bayer website:

www.bayeres.com.au

APVMA website:

www.apvma.gov.au



World Business Council for Sustainable Development



Bayer Environmental Science
PRODUCT SAFETY INFORMATION



cislin[®]25

A general purpose public health insecticide based on a synthetic derivative of naturally occurring pyrethrum.

A product from Bayer, the industry-leading company in the field of product stewardship, product safety expertise and commitment to addressing climate change.