

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.5 Application

Application Number: 2011-0953

Application: New product chemistry: Guarantee, identity of formulants, formulation type

Product: Maxforce Quantum Ant Bait

Registration Number: 30513

Active ingredient (a.i.): Imidacloprid PMRA Document Number: 2174746

Purpose of Application

The purpose of this application was to register a new commercial insecticidal bait for the control of ants in residential and commercial areas in both indoor and outdoor locations based on the precedent commercial product, Maxforce IC Professional Cockroach Gel Bait (Registration Number 27605).

The precedent product Maxforce IC Professional Cockroach Gel Bait is registered for indoor control of cockroaches in residential and commercial areas.

Chemistry Assessment

Maxforce Quantum Ant Bait is a viscous gel containing the active ingredient imidacloprid at a nominal concentration of 0.03%. This product has a density of 1.407 g/cm³ and pH of 4.8 (10% w/v). The chemistry requirements for Maxforce Quantum Ant Bait have been completed.

Health Assessment

Maxforce Quantum Ant Bait is considered to be of low acute toxicity via the oral, dermal, and inhalation routes. Maxforce Quantum Ant Bait is minimally irritating to the eye and non-irritating to the skin; it is not a dermal sensitizer.

Occupational and bystander exposures to imidacloprid from the use of Maxforce Quantum Ant Bait are not expected to exceed current exposures to imidacloprid from the use of the precedent product. The personal protective equipment of long sleeved-shirt, long pants, and chemical-resistant gloves are adequate for protection of workers during application and clean-up activities. Residential exposures are considered minimal when considering product formulation, use precautions, and instructions.

Environmental Assessment

The environmental risk associated with the use of Maxforce Quantum Ant Bait to control ants in residential and commercial areas is expected to be minimal. Label statements are required to identify environmental hazards and to reduce the potential exposure of non-target organisms.

Value Assessment

Efficacy data from five laboratory and eight field trials supported the label claims of Maxforce Quantum Ant Bait. Three laboratory trials demonstrated 100% mortality of the black garden ant, ghost



ant, or Pharaoh ant. One field trial demonstrated 100% control of nests of the black garden ant when bait was injected directly into the ant nest. Seven field trials demonstrated 100% reduction of activity of the black garden ant, ghost ant or Pharaoh ant when bait was applied in bait stations or cracks and crevices indoors or outdoors.

Conclusion

The PMRA conducted an evaluation of the subject application and determined that use of Maxforce Quantum Ant Bait in accordance with the label has value and will not pose unacceptable health or environmental risk.

References

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