

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.5, 3.11, 3.12, 3.14 Application

Application Number:	2011-5303
Application:	B.2.1 (product chemistry – guarantee) B.2.3 (identity of formulants) B.2.4 (proportion of formulants) B.2.5 (formulation type) B.3.11 (new pests) B.3.12 (new site or host) B.3.14 (classifications)
Product:	Optigard Ant Gel 30 Insecticide
Registration Number:	30789
Active ingredients (a.i.):	thiamethoxam (THE)
PMRA Document Number:	2209024

Purpose of Application

The purpose of this application was to register a new ant gel bait insecticide product containing thiamethoxam (0.003%). Optigard Ant Gel 30 Insecticide is a domestic product intended for use in indoor and outdoor areas.

Chemistry Assessment

Optigard Ant Gel 30 Insecticide is formulated as a gel containing thiamethoxam at a nominal concentration of 0.003%. This end-use product has a density of 1.24 g/mL and a pH of 6.8. The chemistry requirements for Optigard Ant Gel 30 Insecticide are complete.

Health Assessments

Optigard Ant Gel 30 Insecticide is considered to be of low acute toxicity to rats via the oral ($LD_{50} > 5000$ mg/kg bw), dermal ($LD_{50} > 5050$ mg/kg bw), and inhalation ($LC_{50} > 2.61$ mg/L) routes. This product is minimally irritating to the rabbit eye, non-irritating to the rabbit skin, and is not a dermal sensitizer in guinea pigs.

Residential exposures to thiamethoxam are adequately addressed through qualitative assessments for applicators and potential post-application contact with treated indoor and outdoor areas. Residents, including children, are considered to be adequately protected when considering the product formulation, and when following label use precautions and instructions, which include treating areas where the bait is inaccessible to children and pets.

Environmental Assessment

The environmental risk associated with the use of Optigard Ant Gel 30 Insecticide 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

Use history, a foreign review of value information and efficacy data supported the label claims of Optigard Ant Gel 30 Insecticide.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the registration of this new domestic product, Optigard Ant Gel 30 Insecticide, for use in indoor and outdoor areas.

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