

Evaluation Report for Category B, Subcategory 3.1, 3.12 Application

Application Number: 2021-2500
Application: New Product Labels – New Pests, New Site or Host
Product: Suspend PolyZone Insecticide
Registration Number: 34599
Active ingredient (a.i.): Deltamethrin
PMRA Document Number: 3381780

Purpose of Application

The purpose of this application was to register Suspend PolyZone Insecticide for use as an insecticide for crack and crevice insect control, around a large variety of structures and on turf.

Chemistry Assessment

Suspend PolyZone Insecticide is formulated as a suspension containing deltamethrin at a concentration of 50 g/L. This end-use product has a density of 1.03-1.07 g/mL and pH of 4.0-5.0. The required chemistry data for Suspend PolyZone Insecticide have been provided, reviewed and found to be acceptable.

Health Assessments

Suspend PolyZone Insecticide is considered to be of low acute toxicity via the oral, dermal and inhalation routes. It is considered to be minimally irritating to the eyes, mildly irritating to the skin, and not a dermal sensitizer.

The occupational exposure and risk from Suspend PolyZone Insecticide for use in indoor structures, outdoor structures and turf was assessed. No risks of concern are expected from the new use, provided label directions are adhered to.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The registration of Suspend PolyZone Insecticide, for crack and crevice insect control around a large variety of structures and on turf does not pose any additional risk to the environment when used according to the label.

Value Assessment

Efficacy trials conducted in laboratory, simulated small-scale field trials, greenhouse and small-scale field trials and scientific rationales were reviewed in support of the use of Suspend PolyZone Insecticide both indoors and outdoors for control of cockroaches, spiders, ants (including applications indoors and to turfgrass and surrounding vegetation), bed bugs, flies (house flies, blue bottle flies, flesh flies, cluster flies, stable flies), mosquitoes (including applications outdoors and to turfgrass and surrounding vegetation), darkling beetles (Lesser mealworms), ticks (turfgrass and surrounding vegetation) and chinch bug, sod webworm, cutworm (turfgrass). The registration of Suspend PolyZone Insecticide offers a new tool to control the labelled pests.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of Suspend PolyZone Insecticide.

References

PMRA Document Number	References
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3237062	2021, History of Use, DACO: 10.2.4
3237063	2021, History of Use, DACO: 10.2.4
3237065	2021, History of Use, DACO: 10.2.4
3237066	2021, History of Use, DACO: 10.2.4
3237067	2021, DACO 10.2 Efficacy Studies, DACO: 10.2.3.1
3237068	2021, DACO 10.2 Trial Details, DACO: 10.2.3.1
3237069	2010, Product Description for Deltamethrin 543 and Rationale for Bridging Between Formulations, DACO: 10.2.1
3237070	2010, Efficacy Bridging Report for Deltamethrin 543 for Control of General Household, Public Health, Outdoor/Perimeter, and Wood-Infesting Insect Pests, DACO: 10.2.3.1
3237071	2014, 13ESL027: PolyZone Global Dossier Trials on Bed Bugs, DACO: 10.2.3.3(C)
3237072	2014, PolyZone Global Dossier Trials on Bed Bugs in a recovery house, DACO: 10.2.3.3(C)
3237073	2021, History of Use, DACO: 10.2.4
3237076	2021, Survey of Alternatives for Indoor and Outdoor Pest Control, DACO: 10.5.1
3237079	2021, Suspend Polyzone a 50 g/L formulation of the active ingredient deltamethrin for indoor and outdoor use in Canada for the control of listed insect pests, DACO: 10.1
3237082	2010, Trial 1 - Activity of Residual Deposits of Various Pyrethroid Formulations Applied to Glazed Tile, Wood and Sand, DACO: 10.2.3.3(C)
3237083	2020, Trial 2 - BES0543: Deltamethrin LLRF - German Cockroach DACO: 10.2.3.3(C)
3237085	2020, Trial 3 - BES0543: Deltamethrin LLRF - Carpenter Ant, DACO: 10.2.3.3(C)
3237087	2020, Trial 4 - 08ESP543: Suspend PolyZone - Aedes, DACO: 10.2.3.3(C)
3237089	2020, Trial 5 - 08ESP543: Suspend PolyZone - Culex, DACO: 10.2.3.3(C)
3237091	2020, Trial 6 - 08ESP543: Suspend PolyZone - Aedes, DACO: 10.2.3.3(C)
3237092	2014, Trial 7 - 13ESL027: Polyzone Global Dossier Trials on German Cockroaches - Blattge, DACO: 10.2.3.3(C)
3237093	2014, Trial 8 - 13ESL027 Polyzone and Deltamethrin versus spiders at indoor locations; Global Dossier Trials, DACO: 10.2.3.3(C)
3237094	2015, Trial 9 - 14ESP726/ PolyZone for ROW/ Global Dossier trials/ General insect pests ETDAN028, DACO: 10.2.3.3(C)
3237095	2014, Trial 10 - OE14USAB84: Polyzone on Perimeter Spiders/Global Dossier Trials/ETDAN028, DACO: 10.2.3.3(C)
3237096	2015, Trial 11 - 14ESP7226/ PolyZone for ROW/ Global Dossier trials/ General insect pests, DACO: 10.2.3.3(C)
3237097	2020, Trial 12 - 13ESL027: Polyzone / BOV / GIC / Food Handling ceramic tile, DACO: 10.2.3.3(C)

3237098 2020, Trial 13 - 13ESL027: Polyzone / BOV / GIC / Food Handling uncoated wood, DACO: 10.2.3.3(C)
3237099 2020, Trial 14 - 13ESL027: Polyzone / BOV / GIC / Food Handling stainless steel, DACO: 10.2.3.3(C)

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