Health Canada Santé Canada

Evaluation Report for Category B.2.1,B.2.3,B.2.4 Application

Application Number: 2010-0363
Application: New end-use product
Product: Evercide® Wasp & Hornet Killer 20861
Registration Number: **30745**
Active ingredients (a.i.): Tetramethrin, D-Phenothrin
PMRA Document Number : 2242605

Purpose of Application

The purpose of this application was to register a new domestic end-use product, Evercide Wasp & Hornet Killer 20861, containing tetramethrin and d-phenothrin, each at a guarantee of 0.2%.

Chemistry Assessment

Evercide® Wasp & Hornet Killer 20861 is a pressurized product containing the active ingredients d-phenothrin and tetramethrin each at a nominal concentration of 0.20%. This product has a specific gravity of 0.9662 and pH of 6.50 (for a 5% solution in water). The chemistry requirements for Evercide Wasp & Hornet Killer 20861 have been completed.

Health Assessments

Evercide Wasp & Hornet Killer 20861 is of low acute toxicity to rats via the oral and dermal routes of exposure and is of slight acute toxicity via the inhalation route. It is non-irritating to the eye and mildly irritating to the skin of rabbits. Evercide Wasp & Hornet Killer 20861 is not considered to be a dermal sensitizer based on the results of testing in guinea pigs.

A human health risk assessment was completed for Evercide Wasp & Hornet Killer 20861. Outdoor use on hornet, wasp and yellow jacket nests is not expected to result in unacceptable risks to domestic applicators or bystanders when the product is used according to label directions.

Environmental Assessment

When comparing Evercide Wasp & Hornet Killer 20861 to other registered products with similar use patterns, no additional environmental risk is expected from the use of these products. No label amendments are required at this time.

Value Assessment

Efficacy data from four trials were submitted, where the product or a similar formulation was

tested against nests (natural or simulated) of bald faced hornets, yellow jackets, or Mediterranean paper wasps in laboratory or under field conditions. Based on the data and rationales provided, Evercide Wasp & Hornet Killer 20861 is expected to control exposed nests of wasps, yellow jackets and hornets outdoors.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of available information in support of Evercide Wasp & Hornet Killer 20861 and has found the information sufficient to support the registration of Evercide Wasp & Hornet Killer 20861.

References

PMRA Document Number	Reference
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1851130	2010, DACO3.2_Formulation Process_8Jan2010, DACO: 3.2 CBI
1851134	2003, Storage Stability of Multicide Wasp & Hornet Spray 20861, DACO: 3.5.10
1921514	2005, Product Chemistry of Multicide Wasp & Hornet Spray 20864, DACO: 3.4.1
1940850	2010, Product Chemistry of Multicide Wasp & Hornet Spray 20864 - Amended Report, DACO: 3.5
2129979	2011, Efficacy of Pressurized Formula 20864 against baldfaced hornets, *Dolichovespula maculata* under field conditions, DACO: 10.2.3
2129980	2011, Efficacy Evaluations of Evercide Wasp and Hornet Spray Compared with a Commercial Standard Against Yellowjackets and Paper Wasps, DACO: 10.2.3
2129981	2011, Efficacy of MGK Formula 20864 When Applied as Direct Spray Applications to Simulated Yellow Jacket (*Vespinae* spp) Nests Under Field Conditions, DACO: 10.2.3
2129982	2011, Efficacy of MGK Formula 20864 When Applied as Direct Spray Applications to Simulated Bald Faced Hornet (*Dolichovespula maculata*) Nests Under Field Conditions, DACO: 10.2.3
1851137	1998, An Acute Oral Toxicity Study in Rats with Multicide Intermediate 2084, DACO: 4.6,4.6.1
1851138	1998, An Acute Dermal Toxicity Study in Rabbits with Multicide Intermediate 2084, DACO: 4.6.2
1851139	1998, An Acute Whole-Body Inhalation Toxicity Study in Rats with Multicide 2084, DACO: 4.6.3
1851141	2002, Primary Eye Irritation Study in Rabbits, DACO: 4.6.4
1851143	2002, Primary Skin Irritation Study in Rabbits, DACO: 4.6.5

1851145 1998, A Dermal Sensitization Study in Guinea Pigs with Multicide Intermediate 2084 - Modified Buehler, DACO: 4.6.6

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