

Evaluation Report for Category B, Subcategory B 3.12, B 3.13 Application

Application Number: 2006-0605
Application: Category B, Subcategories B.3.12 (New Site/Host) and B.3.13 (Precautions)
Product: Demand CS Insecticide
Registration Number: 27428
Active ingredients (a.i.): Lambda-cyhalothrin (CYH)
PMRA Document Number: 1425827

Background

Demand CS Insecticide has been registered since June 18, 2003. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this submission is to amend the Demand CS Insecticide label to include a new site (indoor residential areas) and to amend the precautions.

Chemistry Assessment

A chemistry assessment was not required since there was no change to product chemistry.

Health Assessments

A toxicology assessment was not required since there was no change to the product formulation. Exposure to workers mixing/loading and applying Demand CS Insecticide is not expected to increase over that for the currently registered use pattern. Residues for lambda-cyhalothrin on surfaces and in air following the application of Demand CS as a crack and crevice treatment in a home were used to estimate MOEs for adults and children coming into contact with surfaces and indoor air in homes treated with Demand CS Insecticide. MOEs for all routes of exposure combined are above the target of 100.

Environmental Assessment

An environmental assessment was not required as the application rate, number of applications and frequency of application fell within that registered for structural and residential outdoor uses. Moreover, this new use poses limited environmental exposure. There are no environmental concerns with the use of the subject product that are not mitigated by the existing label statements.

Value Assessment

Demand CS is currently registered for the control of ants, centipedes, German cockroaches, crickets, firebrats, millipedes and sowbugs in non residential areas and non passenger areas of transport vehicles, and the control of cluster flies in animal housing. The use directions in residential areas are the same use directions registered for the control of the same pests in non residential areas and non passenger areas of transport vehicles and animal housing. Based on the registered use pattern, the label claims of ant, centipede, German cockroach, cricket, firebrat, millipede and sowbug control in residential areas and passenger areas of transport vehicles and cluster fly control in residential, non residential areas and transport structures can be supported for Demand CS Insecticide.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Demand CS Insecticide to include the proposed new use in indoor residential areas.

References

PMRA Document Number	Reference
1153047	2005, Measurement of Indoor Residues Following Residential Indoor Crack and Crevice Application of Demands CS (Lambda-Cyhalothrin), T001727-02, MRID: N/S, DACO: 5.6

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