

Evaluation Report for Category B, Subcategory 2.3, 2.4 & 3.3 Application

Application Number: 2009-0627
Application: B.2.3 & B.2.4 - New / Changes EP Product Chemistry-Identity of Formulants & Proportion of Formulants
B.3.3 - New or Changes to Product Labels-Application Number or Frequency
Product: Absorbine UltraShield EX Insecticide & Repellent
Registration Number: 24427
Active ingredients (a.i.): Piperonyl Butoxide (PBU), Permethrin (PFL), Pyrethrins (PYR)
PMRA Document Number : 1809691

Purpose of Application

The purpose of this application was to amend the end-use-product, Absorbine UltraShield Brand Residual Insecticide & Repellent (Reg. No. 24427) a ready to use product that repels insects and is registered for use on horses. The amendments include a new product name, Absorbine UltraShield EX Insecticide and Repellent, an addition of a new formulant to address the waterproof claims, an extension of the application interval from 3-5 days to 17 days and an addition of black flies on the list of the target insects.

Chemistry Assessment

Absorbine UltraShield EX Insecticide & Repellent is formulated as a solution containing permethrin at a nominal concentration of 0.50%, pyrethrins at 0.10% and piperonyl butoxide at 1.0%. This end-use product has a density of 0.996 g/mL and a pH of 6.8. The chemistry requirements for Absorbine UltraShield EX Insecticide & Repellent are complete.

Health Assessments

The addition of the new formulant and name change to Absorbine UltraShield EX Insecticide & Repellent is not expected to change the toxicological profile of the product.

A health assessment has been conducted for Absorbine UltraShield EX Insecticide & Repellent. The amendments made to this product are not expected to increase handler or bystander exposure over the exposure from currently registered products containing Piperonyl Butoxide, Permethrin and Pyrethrins as the active ingredients.

Environmental Assessment

An environmental assessment was not required since the application rate, number and frequency of applications and method of application fell within the currently registered use pattern. The use of this product for use on horses does not trigger any environmental issues. Label statements pertaining to environmental hazard and storage/disposal on the current label are appropriate.

Value Assessment

The amendment of Absorbine UltraShield Brand Residual Insecticide & Repellent can be supported based on the submitted efficacy data. The addition of black flies to the label can be supported as they were included in the pests tested in the submitted efficacy data.

Conclusion

The PMRA has conducted a review of the available information for this application and has determined that name change from Absorbine UltraShield Brand Residual Insecticide & Repellent to Absorbine UltraShield EX Insecticide and Repellent, the formulation amendment, and the extension of the application interval to 17 can be supported.

Reference

Studies/Information Provided by Applicant/Registrant

1748546	2009, DACO 3.1.1, 3.1.2, 3.2.1,3.3.1,, DACO: 3.1.1,3.1.2,3.2.1,3.3.1 CBI
1748547	MSDS for additional inert, DACO: 3.2.1 CBI
1748548	Chromatograms, DACO: 3.4.1 CBI
1748549	Request for Chemistry Waiver, DACO: 3.5.10,3.5.11,3.5.12,3.5.13,3.5.14, 3.5.15,3.5.6,3.5.7,3.5.8,3.5.9 CBI
1722348	2002, DACO: 10.2.3
1748551	2009, Value Summary, DACO: 10.1

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