

Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

Application Number: 2017-1132
Application: New EP Product Chemistry - Identity/Proportion of Formulants
Product: Hawk Soft Bait
Registration Number: 33165
Active ingredient (a.i.): Bromadiolone
PMRA Document Number : 2859966

Purpose of Application

The purpose of this application was to register Hawk Soft Bait, a rodenticide bait for use in and around residential and commercial buildings.

Chemistry Assessment

Hawk Soft Bait is formulated as a paste containing bromadiolone at a concentration of 0.005% and potassium sorbate at 1% as a preservative. This end-use product has a density of 1.23 g/cm³. The required chemistry data for Hawk Soft Bait have been provided, reviewed and found to be acceptable.

Health Assessments

Hawk Soft Bait is of low acute toxicity via the oral and dermal routes of exposure. Since this end-use product is a solid and not inhalable, the requirement for an acute inhalation study was waived. It is considered to be non-irritating to the eyes and skin. It was not a skin sensitizer when tested using the Buehler method.

Exposures to bromadiolone are adequately addressed through qualitative assessments for applicators and potential post-application contact with Hawk Soft Bait. Considering the product formulation in pre-measured place packs, label precautions, and personal protective equipment, workers are considered to be adequately protected when following label instructions. In addition, the product must be used in bait stations when placed in sites accessible to children, pets, livestock, and non-target animals. Therefore, exposures to the public and homeowners, including children, are not considered to be of concern.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The product label for Hawk Soft Bait provides directions and mitigation measures consistent with the requirements of REV2010-17, *Risk Mitigation Measures for Eight Rodenticides*, for rodenticide baits containing bromadiolone; risks to non-target wildlife are adequately addressed.

Value Assessment

Bromadiolone, the rodenticide found in Hawk Soft Bait, is a rodenticide in other registered pest control products used to kill Norway rats, roof rats and house mice. In four laboratory trials, Hawk Soft Bait killed 95 to 100% of the Norway rats and house mice with peak mortality occurring on day 10. The data on Norway rats were extrapolated to roof rats because of the similarity in biology. The application rate falls within the registered rate for these pests.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Hawk Soft Bait

References

PMRA Document Number	Reference
2736836	2016, Product Properties of Bromadiolone Paste Bait, DACO: 3.0 CBI
2810857	2017, One-Year Storage Stability and Corrosion Characteristics of Bromadiolone Paste Bait in Place Packs, DACO: 3.5.10
2736842	2016, Efficacy of 0.005% Bromadiolone Paste Bait on Young Adult Swiss Webster Mice, DACO: 10.2.3
2736843	2016, Efficacy of 0.005% Bromadiolone Paste Bait on Young Adult Wistar Rats, DACO: 10.2.3
2736844	2016, 0.005% Bromadiolone Paste Bait Place Pack Penetration Study on Young Adult Swiss Webster Mice, DACO: 10.2.3
2736845	2016, 0.005% Bromadiolone Paste Bait Place Pack Penetration Study on Young Adult Wistar Rats, DACO: 10.2.3
2736837	2016, Acute Limit Oral Toxicity Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult Sprague Dawley Rats, DACO: 4.6.1
2736838	2016, Acute Limit Dermal Toxicity Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult Sprague Dawley Rats, DACO: 4.6.2
2736839	2016, Acute Eye Irritation /Corrosion Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult New Zealand White Rabbits, DACO: 4.6.4
2736840	2016, Acute Dermal Irritation/Corrosion Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult New Zealand White Rabbits, DACO: 4.6.5
2736841	2016, 0.005% Bromadiolone Paste Bait: Dermal Sensitization Test in Guinea Pigs - Buehler Method, DACO: 4.6.6
2764280	2017, Inhalation Waiver Request for Hawk Soft Bait, DACO: 4.6.3

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