

Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

Application Number: 2017-1127
Application: New EP Product Chemistry - Identity/Proportion of Formulants
Product: Contrac Soft Bait
Registration Number: 33164
Active ingredient (a.i.): Bromadiolone
PMRA Document Number : 2859828

Purpose of Application

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

Chemistry Assessment

Contrac 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 Contrac Soft Bait have been provided, reviewed and found to be acceptable.

Health Assessments

Contrac Soft Bait is of low acute toxicity via the oral and dermal routes of exposure. Since this 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 postapplication contact with Contrac 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 Contrac 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 Contrac 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, Contrac 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 Contrac Soft Bait.

References

PMRA Document Number	Reference
2736777	2016, Product Properties of Bromadiolone Paste Bait, DACO: 3.0 CBI
2810865	2017, One-Year Storage Stability and Corrosion Characteristics of Bromadilone Paste Bait in Place Pacs, DACO: 3.5.10
2736783	2016, Efficacy of 0.005% Bromadiolone Paste Bait on Young Adult Swiss Webster Mice, DACO: 10.2.3
2736784	2016, Efficacy of 0.005% Bromadiolone Paste Bait on Young Adult Wistar Rats, DACO: 10.2.3
2736785	2016, 0.005% Bromadiolone Paste Bait Place Pack Penetration Study on Young Adult Swiss Webster Mice, DACO: 10.2.3
2736786	2016, 0.005% Bromadiolone Paste Bait Place Pack Penetration Study on Young Adult Wistar Rats, DACO: 10.2.3
2764277	2017, Inhalation Waiver Request for Contrac Soft Bait, DACO: 4.6.3
2736778	2016, Acute Limit Oral Toxicity Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult Sprague Dawley Rats, DACO: 4.6.1
2736779	2016, Acute Limit Dermal Toxicity Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult Sprague Dawley Rats, DACO: 4.6.2
2736780	2016, Acute Eye Irritation /Corrosion Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult New Zealand White Rabbits, DACO: 4.6.4
2736781	2016, Acute Dermal Irritation/Corrosion Evaluation of 0.005% Bromadiolone Paste Bait on Young Adult New Zealand White Rabbits, DACO: 4.6.5
2736782	2016, 0.005% Bromadiolone Paste Bait: Dermal Sensitization Test in Guinea Pigs - Buehler Method, DACO: 4.6.6

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