

Evaluation Report for Category B, Subcategory 2.3, 2.4, 2.5 Application

Application Number: 2020-1341
Application: New Product Chemistry, Identity of Formulants, Proportion of Formulants, Formulation Type
Product: Flatline Soft Bait
Registration Number: 34219
Active ingredient (a.i.): Chlorophacinone
PMRA Document Number: 3239273

Purpose of Application

The purpose of this application was to register Flatline Soft Bait, a commercial rodenticide for use in structures, empty food and feed storage areas and various outdoor sites, to control Norway rats, roof rats, house mice, deer mice and white-footed mice.

Chemistry Assessment

Flatline Soft Bait is formulated as a paste containing chlorophacinone at a concentration of 0.005%. This end-use product has a density of 1.111-1.113 g/mL. The required chemistry data for Flatline Soft Bait have been provided, reviewed and found to be acceptable.

Health Assessments

Flatline Soft Bait is considered to have an acute toxicity profile equivalent to that of the precedent product. The label conforms to the requirements outlined in Re-evaluation Note REV2010-17, Risk Mitigation Measures for Eight Rodenticides.

Worker exposures to chlorophacinone are not expected to exceed those of registered products. No health risks of concern are expected provided workers wear the required personal protective equipment and follow all label directions. No health risks of concern are expected for the public.

A dietary exposure assessment was not required for this application.

Environmental Assessment

Flatline Soft Bait poses acceptable environmental risk when used in accordance with label directions.

Value Assessment

Value information reviewed included a scientific rationale to extrapolate product performance from similar registered products based on the product mode of action and similarity between pest species, and laboratory choice trials against three species of rats or mice. This information supported a claim that Flatline Soft Bait controls Norway rats, roof rats, house mice, deer mice and white-footed mice indoors and outdoors within 15 metres of buildings (residential, industrial, commercial, agricultural, and public buildings). Flatline Soft Bait may also be applied in garbage dumps. This use has value as it expands the pest spectrum of chlorophacinone by killing deer mice and white-footed mice, which are important vectors of diseases such as Hantavirus.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to register Flatline Soft Bait.

References

A. List of Studies/Information Submitted by Registrant

PMRA Document Number	References
3110692	2020, Additional Product Chemistry for Flatline Soft Bait, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.5.4,3.5.5
3110694	2018, Data Waiver Requests for Chlorophacinone Soft Bait, DACO: 3.5.11,3.5.12,3.5.13,3.5.15,3.5.7,3.5.8,3.5.9
3110695	2018, Product Identity, Composition and Analysis of Chlorophacinone Soft Bait, DACO: 3.2.1,3.2.2,3.2.3,3.3.1,3.4.1,3.4.2 CBI
3110696	2018, Color Determination of Chlorophacinone Paste 1713, DACO: 3.5.1 CBI
3110697	2018, Odor Determination of Chlorophacinone Paste 1713, DACO: 3.5.3 CBI
3110698	2018, Physical State Determination of Chlorophacinone Paste 1713, DACO: 3.5.2 CBI
3110699	2018, Density Determination of Chlorophacinone Paste 1713, DACO: 3.5.6 CBI
3158027	2020, Storage Stability and Corrosion Characteristics of Chlorophacinone Paste 1713, DACO: 3.5.10,3.5.14
3110693	2020, Use Site Description for Flatline Soft Bait, DACO: 5.2
3110700	2017, Chlorophacinone (CPN) Paste 1713: Standard Norway Rat/Roof Rat Anticoagulant Dry Bait Laboratory Test OPP Designation 1.203, DACO: 10.2.3.2
3110701	2017, Chlorophacinone (CPN) Paste 1713: Standard House Mouse Anticoagulant Dry Bait Laboratory Test OPP Designation 1.204, DACO: 10.2.3.2
3110702	2018, Chlorophacinone (CPN) Paste 1713: Standard <i>Peromyscus</i> Species Anticoagulant Dry Bait Laboratory Test OPP Designation 1.216, DACO: 10.2.3.2
3110704	2020, Summary of Value for Flatline Soft Bait, containing Chlorophacinone, for Control of Norway Rats, Roof Rats, House Mice, and Deer Mice, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3, 10.2.3.3, 10.2.3.4, 10.2.4, 10.3.1, 10.3.2, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 10.5.5
3124643	2019, US EPA DER for Efficacy for Flatline Soft Bait, DACO: 12.5.10

B. Additional Information Considered

i) Published Information

1.0 Value

3154837	Bunker, A., 2020, Animal Diversity Web: <i>Peromyscus maniculatus</i> - deer mouse, DACO:10.2.2 Accessed: 2020-09-25. https://animaldiversity.org/accounts/Peromyscus_maniculatus/ , DACO: 10.2.2
3156382	Aguilar, S., 2020, Animal Diversity Web: <i>Peromyscus leucopus</i> - white-footed mouse, DACO:10.2.2 Accessed: 2020-09-25. https://animaldiversity.org/accounts/Peromyscus_leucopus/

3154855 Ballenger, L., 2020, Animal Diversity Web: *Mus musculus* - House mouse,
DACO:10.2.2 Accessed: 2020-09-25.
https://animaldiversity.org/accounts/Mus_musculus/

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