



Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2015-5010
Application: New TGAI Product Chemistry – New Source (site) New Registrant
Product: RatX
Registration Number: 32658
Active ingredients (a.i.): Cellulose (from Powdered Cobs)
PMRA Document Number: 2736926

Purpose of Application

The purpose of this application was to register a new domestic end-use product, RatX, containing the active ingredient cellulose (from powdered corn cobs), to be used as a rodenticide to control rats and mice for indoor use.

Chemistry Assessment

RatX is formulated as pellets containing cellulose (from Powdered Corn Cobs) at a nominal concentration of 27.5%. This end-use product has a density of 0.642 g/mL. The required chemistry data for RatX have been provided, reviewed and found to be acceptable.

Health Assessments

The end-use product, RatX, is of low acute toxicity by the oral, dermal, and inhalation routes. RatX is unlikely to be a skin irritant or be a dermal sensitizer. Any cellulosic dust generated from excessive handling of RatX will be minimally irritating to the eyes but will have the potential for respiratory irritation when inhaled. As such, individuals should avoid inhaling any dust generated by handling of the end-use product.

Activities, such as the removal of animal carcasses, droppings, and uneaten bait visited by rodents, is necessary. In order to minimize dermal contact with animal-related refuse, gloves should be worn.

The use of RatX indoors may result in inadvertent bystander or residential exposure from access to unattended bait trays. The risk due to exposure of individuals and non-target animals/pets will be minimized by restricting access to the bait when in use.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The indoor use of RatX Rodenticide will not result in any additional environmental impact / risk relative to the existing registered products. Environmental concerns have been mitigated through adequate statements on the product label.

Value Assessment

Two laboratory trials, one for rats and one for mice, demonstrated 100% mortality of both rats (in 6-8 days) and mice (in 4 days) with RatX bait as the only food source available. The trials also showed lower consumption by rats and mice fed only RatX compared to rats and mice fed a standard rodent diet. The results supported indoor use of RatX, with the label statement that other likely food sources must be eliminated or made unavailable.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and is able to support the registration of RatX.

References

A. List of Studies/Information Submitted by Registrant

PMRA Document Number	References
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(xxxxxxxx)	
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2565846	2013, Accelerated Storage Stability with Corrosion Characteristics of RatX, DACO 3.5.10, CBI
2565844	2015, Acute Studies - Waiver/Literature Results, DACO: 4.1, 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6
2565845	2015, Use Description, DACO: 5.1, 5.2
2646434	2016, Rodenticide No Choice Mortality Test in Rats (Modified) with 620-101-200, DACO: 10.2.3.2
2646435	2016, Rodenticide No Choice Mortality Test in Mice with 620-101-200, DACO: 10.2.3.2

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