

## Evaluation Report for Category B, Subcategory 3.4 Application

**Application Number:** 2014-1493  
**Application:** B.3.4 - New Application Method  
**Product:** Tomcat Rat Killer II  
**Registration Number:** 32033  
**Active ingredients (a.i.):** Diphacinone  
**PMRA Document Number :** 2574505

### Purpose of Application

The purpose of this application was to register a new domestic class product, Tomcat Rat Killer II, containing 0.005% diphacinone. It is formulated as a 30 gram bait block which is packaged with a Tier 1 bait station. It is proposed to control Norway rats (*Rattus norvegicus*) and roof rats (*Rattus rattus*) indoors and outdoors within 15 metres of buildings at a rate of 1 or 2 blocks of bait per bait station placed at 5 to 10 metre intervals.

### Health Assessments

Human exposures to diphacinone are adequately addressed through qualitative assessments for homeowner use and potential post-application contact with the Tomcat Rat Killer II bait and tamper-resistant bait station combination. Also, considering the product formulation, label precautions, and personal protective equipment, homeowners, including children, are considered to be adequately protected when label instructions are followed. Therefore, exposures to homeowners, including children, from the use of the refillable Tomcat Rat Killer II, indoors and outdoors, in areas accessible to children and pets, are not considered to be of concern.

### Chemistry and Environmental Assessment

Chemistry and environmental assessments were not required for this application.

### Value Assessment

The use of Tomcat Rat Killer to control rats at an application rate of 1 to 2 bait blocks per bait station with a 5 to 10 metre interval between stations is supported based on precedent products, four laboratory trials and rationales.

### Conclusion

PMRA has reviewed information provided in support of Tomcat Rat Killer II. Based on this review, Tomcat Rat Killer is acceptable for full registration.

### References

**A. Information submitted by the applicant**

2421615	Bait Security Test on a Refillable Rat Bait Station, DACO: 5.14
2421616	Refillable, Plastic Rat Bait Station - Sequential Child and Adult Test, DACO: 5.14
2421618	Mechanical Drawing of Rat Bait Station, Drawing A, DACO: 5.14
2421619	Mechanical Drawing of Rat Bait Station, Drawing B, DACO: 5.14
2421620	Statement of Weather Resistance, DACO: 5.14
2469189	2014, Use Description/Scenario (Application and Post Application) for Submission No. 2014-1493, DACO: 5.2

- 2421610 Efficacy of 0.005% Weatherized Diphacinone Blocks on Young Adult Wistar Rats, DACO: 10.2
- 2421611 Efficacy of 0.005% Diphacinone Blocks on Young Adult Wistar Rats, DACO: 10.2
- 2421612 Efficacy of a 0.005% Diphacinone Blocks in on Young Adult Wistar Rats, DACO: 10.2
- 2421613 Efficacy of a 0.005% Diphacinone Blocks in on Young Adult Wistar Rats, DACO: 10.2
- 2469190 2014, Value for Submission No. 2014-1493, DACO: 10.1

**B. Additional Information Considered**

2409268	U.S. EPA (2012). Standard Operating Procedures for Residential Pesticide Exposure Assessment. EPA: Washington, DC. October 2012.
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