

Evaluation Report for Category B, Subcategory 3.4, 3.12 Application

Application Number: 2005-4101
Application: Evaluation Report for Category B, Subcategory 3.4, 3.12
Product: Generation BlueMax Rodenticide Paraffin Block
Registration Number: 27773
Active ingredients (a.i.): Difethialone
PMRA Document Number: 1376974

Background

Difethialone (DFL) end-use products were first registered in March 2000 for USC# 20 and 32 (structural and various outdoor sites). DFL is a second-generation anticoagulant which is more highly toxic and persistent than the first-generation anticoagulants. Generation BlueMax Rodenticide Paraffin Block (Reg. No. 27773) is a rodenticide product containing 0.0025% difethialone (DFL) that is currently registered for the control of mice and rats indoors and in areas adjacent to home, industrial, commercial, agricultural and public buildings. Each Generation Rodenticide Paraffin Block consists of a 454 g slab which is to be broken into 8 pieces (i.e. 56 grams each). For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label (PMRA #1107591).

Purpose of Application

The registrant, Liphatech Inc., requested the addition of use directions on the label for the control of rats in sewers. This was not an additional use-site since sewers are included under USC #20, Structural. For this reason, no data were submitted to support this submission.

Efficacy and Sustainable Assessment

The rationale submitted by the applicant (PMRA #1107588) to support the addition of use directions specific to the control of rats in sewers is acceptable. The use directions for the control of rats in sewer systems is identical to that present on the label of the cited precedent product, Ditrac Blox (0.005% diphacinone; Reg. No. 23558). Although the cited precedent product contains a different active ingredient which is a first generation anticoagulant, the use directions to use wire to hang an entire paraffin block above the high water mark can be extrapolated to the label of Generation Blue Max Rodenticide Paraffin Block because both labels also indicate to 'maintain an uninterrupted supply of fresh bait for 10 days' and 'replace contaminated or spoiled bait immediately'. Both of these statements direct the user to monitor the consumption of the bait.

Health Assessment

Occupational Exposure Assessment

The applicant has applied to add the following statement: "*In sewer applications, use wire to secure one entire bait block (i.e. 454 g.) above the high water mark.*" to the instruction in the following manner:

Generation BlueMax Rodenticide Paraffin Block: RATS: Place 3 to 10 pieces of block per placement at intervals of 5 to 10 meters. *In sewer applications, use wire to secure one entire bait block (i.e. 454 g.) above the high water mark.* Maintain an uninterrupted supply of fresh bait for 10 days, or until signs of rat activity cease.

No other changes are proposed to the label, PPE, use-pattern or application rates. Since no changes to the use-pattern was proposed and the only change that was proposed should not result in any increase in occupational or bystander exposure.

Environmental Assessment

On the basis that the proposed use in sewers is considered as an indoor use, difethialone should not pose an environmental risk to non-target organisms. The PMRA, therefore, does not object to the proposed registration of the difethialone end-use product, Generation BlueMax Rodenticide Paraffin Block for use in sewers.

Conclusions

The additional use of Generation BlueMax Rodenticide Paraffin Block for the control of rats in sewers is acceptable regarding the proposed use instructions. In addition, the proposed use of Generation BlueMax Rodenticide Paraffin Block should not pose an increased risk to humans on an occupational and bystander exposure basis and should not pose an environmental risk to non-target organisms.

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2007

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.