

US EPA ARCHIVE DOCUMENT

EEE BRANCH REVIEW

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|-------|-----------------|-----------|-------------------------|-----------|----------------|--------------------|
| DATE: | IN _____ | OUT _____ | IN _____ | OUT _____ | IN <u>9-10</u> | OUT <u>4-21-77</u> |
| | FISH & WILDLIFE | | ENVIRONMENTAL CHEMISTRY | | EFFICACY | |

FILE OR REG. NO. 26693-E

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 7-20

DATE OF SUBMISSION 7-19

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, H, F, N, R, S I

PRODUCT MGR. NO. 12

PRODUCT NAME(S) Killmaster II

COMPANY NAME Positive Formulators Inc.

SUBMISSION PURPOSE 12 Mo residual claim - New pests

CHEMICAL & FORMULATION Chlorpyrifos 2.0%

200.0 Introduction

This is a review of data submitted in support of residual activity claims for a product containing 2.0 % Chlorpyrifos. Method of support 2. b.

200.1 Uses

One label.

200.2 Background

By efficacy review dated 1 April 1976 a label claim for control of cockroaches was found acceptable. No claim for residual activity was accepted. By efficacy review dated 20 May 1976, a 12 month residual activity claim was accepted with the limitation that application be restricted to non-porous surfaces until such time as data on vinyl tile and concrete or masonry block might be submitted. Claims for ants and silverfish were not accepted due to the absence of data.

201.0 Data Summary

One attached xerox copies of data submission 26693-E dated March 21, 1977 (Accession no, 228719) and data submission 26693-E dated July 19, 1976 (Accession no. 228137).

202.0 Conclusions

The residual activity data presented in each of the aforementioned submissions resulted from CSMA proposed lucite ring tests. The absence of repellancy and avoidance mechanisms was clearly demonstrated by the data submitted in support of the initial claim for cockroaches. The lucite ring tests is, therefore, acceptable as sole evidence of residual activity.

That data contained within the submission dated July 19, 1976 provides evidence that Killmaster II residues on vinyl tile, concrete block and unglazed brick performed adequately on German cockroaches following 11 months aging.

The data submitted on March 21, 1977 came in response to a telephone call placed on 9 March 1977. A brief review of the July 19, 1976 data submission indicated that no data had been submitted for any of the claimed pests other than cockroaches. Minimal biological activity data was verbally requested for Spiders, crickets, ants and firebrats. While the data submitted for these pests were derived from very limited testing on 8 month old panels, they are adequate when related to the more comprehensive cockroach data. The essential equivalency of the mortality obtained in the

cockroach tests and that obtained in tests involving the aforementioned pest species allows for a bridging of the residual activity data. Despite the absence of 12 month data, the duration proposed for labeling, the claim is acceptable on the basis of 11 month data on all surfaces and 18 month data on vinyl tile.

202.1 Claims supported by the data submitted

NAC

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Entomologist

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