

US EPA ARCHIVE DOCUMENT

DP Barcode : D181526
PC Code No : 111801
EEB Out :

OCT 15 1992

To: Bruce Sidwell
Product Manager 53
Special Review and Reregistration Division (H7508W)

From: Douglas J. Urban, Acting Chief
Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 111801-010182
Chemical Name : Poly (hexamethylenebiquanide) [PHMB]
Type Product : microbiocide
Product Name :
Company Name : ICI Americas, Inc.
Purpose : Correction of cited MRID, please review.

Action Code: 620
Reviewer: Greg Susanke

Date Due: ^{10/12/92}~~09/03/92~~

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

O		O	O	O	O
71-1(A)		72-2(A)		72-7(A)	
71-1(B)		72-2(B)		72-7(B)	
71-2(A)		72-3(A)		122-1(A)	
71-2(B)		72-3(B)		122-1(B)	
71-3		72-3(C)		122-2	
71-4(A)		72-3(D)		123-1(A)	
71-4(B)		72-3(E)		123-1(B)	
71-5(A)		72-3(F)		123-2	
71-5(B)		72-4(A)		124-1	
72-1(A)		72-4(B)		124-2	
72-1(B)		72-5		141-1	
72-1(C)		72-6		141-2	
72-1(D)				141-5	

Y=Acceptable (Study satisfied Guideline)/Concur
P=Partial (Study partially fulfilled Guideline but additional information is needed)
S=Supplemental (Study provided useful information but Guideline was not satisfied)
N=Unacceptable (Study was rejected)/Nonconcur



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

Subject: Review of a Mallard Duck Acute Oral (71-1) Toxicity Study
(MRID 27491) for PHMB (Chem. No. 111801)

From: Douglas J. Urban, Acting Branch Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

Douglas J. Urban
10/14/92

To: Bruce Sidwell, Product Manager 53
Kathryn Scanlon, Team Reviewer
Special Review and Reregistration Division (H7508W)

Under this Data Package Record, EEB was asked to review an acute oral toxicity study with the mallard duck (MRID 27491) because an EEB review of the study could not be found by SRRD. EEB reviewed this study on 4/7/80. It was then re-reviewed under phase IV of the reregistration process on 8/14/91. This study has been visually reviewed for this DER, but a new written review was not conducted. This study is considered core and satisfies guideline requirement 71-1. A copy of the original review is submitted for your records.



1. Chemical: Baquacil
2. Formulation: Technical (20% a.i.)
3. Citation: Fink, R. (1979) Acute Oral LD50 for Mallard Duck final report, sample No. 5889, EPA Registration No. 10182-RO, Product Name, Baquacil; Producer Name, Wildlife International LTD for ICI Americas, Inc. Goldsboro, N.C. 27530
4. Reviewed By: C.E. Laird
5. Date Reviewed: April 7, 1980
6. Test Type: Avian Acute Oral LD50
 - A. Test Species: Mallard Duck
7. Reported Results: No mortalities occurred in any negative control or any dosage level tested. The LD50 value was greater than 2510 mg/kg.
8. Reviewer's Conclusion:

The study is acceptable and indicates the Baquacil is practically non-toxic to mallard duck. The study does fulfill the requirements for an Avian Acute Oral LD50.

Material/Methods

Test Procedures

Not given

Statistical Analysis

Finney Probit Method

Discussion / Results

There was some fighting in the negative control group # five on Day 3. The acute oral LD50 value was greater than 2510 mg/kg.

Reviewer's Evaluation

A. Test Procedure

The test procedure complies with the recommended EPA protocol of 1978.

B. Statistical Analysis

No statistical analysis was performed, because no mortalities occurred at any dosage level or in the negative controls.

C. Conclusion

1. Category: Core
2. Rationale: N/A
3. Repairability: N/A