

AUG 26 1993

DP Barcode : D166834
PC Code No : 109301
EEB Out :

To: KATHY DAVIS
Product Manager 52
Special Review and Reregistration Division (H7508W)

From: Anthony F. Maciorowski, Chief
Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 109301-352
Chemical Name : FENVALERATE
Type Product :
Product Name :
Company Name : DUPONT DENEMOURS
Purpose : REVIEW SUBMITTED STUDIES AND DETERMINE IF THEY
SATISFY DATA REQUIREMENTS, IDENTIFY APPLICABLE DATA
REQUIREMENTS AND NOTE THOSE FOR WHICH DATA HAVE NOT BEEN
SUBMITTED
Action Code : 627 Date Due :
Reviewer : REXRODE Date In EEB: 7-30-91

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

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
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)	41215201	S	72-4(B)			124-2		
72-1(A)	41215202	S	72-5			141-1		
72-1(C)	41233002	S	72-6			141-2		
72-1(C)	41233001	S				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)

M=Unacceptable (Study was rejected)/Nonconcur

DP BARCODE: D166834

REREG CASE # 22

CASE: 816169
SUBMISSION: S399995

DATA PACKAGE RECORD
BEA SHEET

DATE: 07/24/
Page 1 of

*** CASE/SUBMISSION INFORMATION ***

CASE TYPE: REREGISTRATION ACTION: 627 GENERIC DATA SUBMISSION
CHEMICALS: 109301 Fenvalerate

ID#: 109301-000352

COMPANY: 000352 E. I. DU PONT DENEMOURS AND COMPANY, INC.

PRODUCT MANAGER: 52 ~~CHRISTINE RICE~~ *Kathy Davis* 703-308-8177 ROOM: CS1 3F3

PM TEAM REVIEWER: ERNESTINE DOBBINS 703-308-8071 ROOM: CS1 3N1

RECEIVED DATE: 07/24/91 DUE OUT DATE: 11/21/91

*** DATA PACKAGE INFORMATION ***

DP BARCODE: 166834 EXPEDITE: N DATE SENT: 07/24/91 DATE RET.: / /

CHEMICAL: 109301 Fenvalerate

DP TYPE: 102 Phase V Review

ADMIN DUE DATE: 11/21/91

CSF: N

LABEL: N

ASSIGNED TO	DATE IN	DATE OUT
DIV : EFED	07/25/91	/ /
BRAN: EEB	07/30/91	/ /
SECT: IO	/ /	/ /
REVR :	/ /	/ /
CONTR:	/ /	/ /

*** DATA REVIEW INSTRUCTIONS ***

For the attached reregistration List B case, please identify all applicable data requirements and note those for which adequate data have not been submitted to the Agency.

MRID 412330-01	GDLN 72-1
412330-02	72-1
412152-01	72-2
412152-02	72-1

*** ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION ***

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MEMORANDUM

SUBJECT: DER's for Fenvalerate (D166834)

FROM: *for* Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division (H7507C)

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Joseph J. ...
8/25/93

TO: Kathy Davis, PM 52
Registration Division

The Ecological Effects Branch (EEB) has completed review of the review of the following acute toxicity studies.

1) **72-1(c) Acute Fish Toxicity (rainbow trout):** MRID # 412330-02; This study is scientifically sound but will not meet guideline requirements (supplemental). The study was conducted on the 32% active formulation (1.9 EC). Apparently, there was also contamination of samples during shipment. However, based on nominal concentrations, the 96-hour LC50 = 0.51 ug/L, showed that the compound was highly toxic to rainbow trout and was in the same range of concern as values noted from other fish acute toxicity studies (0.42 - 2.2 ug/L).

2) **72-1 (a) Acute Fish Toxicity (bluegill):** MRID # 412152-02; This study is scientifically sound but will not meet guideline requirements (supplemental). Apparently, there was contamination of samples during shipment. However, based on nominal concentrations, the 96-hour LC50 = 0.69 ug/L, showed that the compound was highly toxic to bluegills and was in the same range of concerns as values noted from other fish acute toxicity studies (0.42 - 2.2 ug/L).

3) **72-1(a) Acute Fish Toxicity (fathead minnow):** MRID # 412152-01; This study is scientifically sound but will not meet guideline requirements (supplemental). Apparently, there was contamination of samples during shipment. However, based on nominal concentrations, the 96-hour LC50 = 0.18 ug/L, showed that the compound was highly toxic to fathead minnows and was in the same range of concern as values noted from other fish acute toxicity studies (0.42 - 2.2 ug/L).

4) **72-1(c) Acute Fish Toxicity (rainbow trout):** MRID # 412330-01; This study is scientifically sound but will not meet guideline requirements (supplemental). Apparently, there was contamination of samples during shipment. However, based on nominal concentrations, the 96-hour LC50 = 0.26 ug/L, showed that the compound was highly toxic to rainbow trout and was in the same range of concern as values noted from other fish acute toxicity studies (0.42 - 2.2 ug/L).



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Although, these studies may have had contamination problems during shipment, the toxicity values that were generated were in the same range of concern as other aquatic studies on fenvalerate (0.42 - 2.2 ug/L. EEB has sufficient data to complete a risk assessment. No other data requirements are required at this time (Miachel Rexrode 305-5578).