

US EPA ARCHIVE DOCUMENT

DP Barcode : D196171

PC Code No : 077101

EEB Out : MAR 7 1994

To: Kathryn Davis  
Product Manager 52  
Special Review and Reregistration Division (7508W)

From: Anthony F. Maciorowski, Chief  
Ecological Effects Branch/EFED (7507C)

Attached, please find the EEB review of...

Reg./File # : 077101-001913  
Chemical Name : Trichloromelamine  
Type Product : algaecide/bacteriocide/microbiocide  
Product Name :  
Company Name : The Drackett Co.

Purpose : Submission of information to upgrade studies.

Action Code : 999 Date Due : 01/17/94  
Reviewer : Tracy Perry

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)	42250801	Y	72-2(A)	42020801	Y	72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)	42280801	P	72-3(A)			122-1(A)		
71-2(B)	42247401	Y	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)	41934901	Y	72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)	42010601	Y	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)



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

MAR 9 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**MEMORANDUM**

**SUBJECT:** Trichloromelamine: Submission of additional data to upgrade studies.

**FROM:** Anthony F. Maciorowski, Chief  
Ecological Effects Branch  
Environmental Fate and Effects Division (7507C)

**TO:** Kathryn Davis, PM 52  
Reregistration Branch  
Special Review and Reregistration Division (7508W)

In the Phase IV Review for trichloromelamine, EEB determined that four acute toxicity studies were required: 71-1(a) Acute Avian Oral - Quail; 71-2(a) Acute Avian Dietary - Quail; 72-1(a) Acute Fish Toxicity - Rainbow Trout; 72-2(a) Acute Aquatic Invertebrate Toxicity - Daphnia. The studies submitted to fulfill these data requirements were classified as supplemental as the percent active ingredient of the test material was not included in the study reports.

The registrant has submitted the necessary information (percent active ingredient of the test material) to upgrade the following studies: MRID No. 42250801, 42247401, 41934901, 42010601, 42020801. These studies are now classified as core and fulfill data requirements. The percent active ingredient for the dietary quail study (MRID No. 42280801) is still outstanding. However, as the dietary mallard study is a core study, there is sufficient information to characterize the toxicity of trichloromelamine to birds for the current indoor uses patterns. Thus, all of the data requirements for the indoor food/nonfood uses of trichloromelamine are satisfied. If the registrant wishes to register trichloromelamine for any outdoor use patterns, the information needed to upgrade the dietary quail study will be required (see attached table).

If you have any questions, please contact Tracy Perry at 305-6451 or Henry Craven at 305-5320.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

2

Date: 03/03/94  
 Case No: 813180  
 Chemical No: 077101

PHASE IV  
 DATA REQUIREMENTS FOR  
 ECOLOGICAL EFFECTS BRANCH

3

Data Requirements	Composition <sup>1</sup>	Use Pattern <sup>2</sup>	Does EPA Have Data To Satisfy This Requirement? (Yes, No)	Bibliographic Citation	Must Additional Data Be Submitted under FIFRA3(c)(2)(B)?
6 Basic Studies in Bold					
<b>71-1(a) Acute Avian Oral, Quail/Duck</b>	(TGAI)	L,M	YES	42250801	NO
71-1(b) Acute Avian Oral, Quail/Duck	(TEP)	-	-	-	-
71-2(a) Acute Avian Diet, Quail	(TGAI)	L,M	YES	42280801	YES <sup>3</sup>
71-2(b) Acute Avian Diet, Duck	(TGAI)	L,M	YES	42247401	NO <sup>4</sup>
71-3 Wild Mammal Toxicity	(TGAI)	-	-	-	-
71-4(a) Avian Reproduction Quail	(TGAI)	-	-	-	-
71-4(b) Avian Reproduction Duck	(TGAI)	-	-	-	-
71-5(a) Simulated Terrestrial Field Study	(TEP)	-	-	-	-
71-5(b) Actual Terrestrial Field Study	(TEP)	-	-	-	-
72-1(a) Acute Fish Toxicity Bluegill	(TGAI)	L,M	YES	41934901	NO <sup>4</sup>
72-1(b) Acute Fish Toxicity Bluegill	(TEP)	-	-	-	-
72-1(c) Acute Fish Toxicity Rainbow Trout	(TGAI)	L,M	YES	42010601	NO
72-1(d) Acute Fish Toxicity Rainbow Trout	(TEP)	-	-	-	-
72-2(a) Acute Aquatic Invertebrate Toxicity	(TGAI)	L,M	YES	42020801	NO
72-2(b) Acute Aquatic Invertebrate Toxicity	(TEP)	-	-	-	-
72-3(a) Acute Estu./Mari Tox Fish	(TGAI)	-	-	-	-
72-3(b) Acute Estu./Mari Tox Mollusk	(TGAI)	-	-	-	-
72-3(c) Acute Estu./Mari Tox Shrimp	(TGAI)	-	-	-	-

\* In Bibliographic Citation column indicates study may be upgradeable

Date: 03/03/94  
 Case No: 813180  
 Chemical No: 077101

PHASE IV  
 DATA REQUIREMENTS FOR  
 ECOLOGICAL EFFECTS BRANCH

Data Requirements	Composition <sup>1</sup>	Use Pattern <sup>2</sup>	Does EPA Have Data To Satisfy This Requirement? (Yes, No)	Bibliographic Citation	Must Additional Data Be Submitted under FIFRA3(c)(2)(B)?
72-3(d) Acute Estu/Mari Tox Fish	(TEP)	-	-	-	-
72-3(e) Acute Estu/Mari Tox Mollusk	(TEP)	-	-	-	-
72-3(f) Acute Estu/Mari Tox Shrimp	(TEP)	-	-	-	-
72-4(a) Early Life-Stage Fish	(TGAI)	-	-	-	-
72-4(b) Live-Cycle Aquatic Invertebrate	(TGAI)	-	-	-	-
72-5 Life-Cycle Fish	(TGAI)	-	-	-	-
72-6 Aquatic Org. Accumulation	(TGAI)	-	-	-	-
72-7(a) Simulated Aquatic Field Study	(TEP)	-	-	-	-
72-7(b) Actual Aquatic Field Study	(TEP)	-	-	-	-
122-1(a) Seed Germ./Seedling Emerg.	(TGAI)	-	-	-	-
122-1(b) Vegetative Vigor	(TGAI)	-	-	-	-
122-2 Aquatic Plant Growth	(TGAI)	-	-	-	-
123-1(a) Seed Germ./Seedling Emerg.	(TGAI)	-	-	-	-
123-1(b) Vegetative Vigor	(TGAI)	-	-	-	-
123-2 Aquatic Plant Growth	(TGAI)	-	-	-	-
124-1 Terrestrial Field Study	(TEP)	-	-	-	-
124-2 Aquatic Field Study	(TEP)	-	-	-	-
141-1 Honey Bee Acute Contact	(TGAI)	-	-	-	-
141-2 Honey Bee Residue on Foliage	(TEP)	-	-	-	-
141-5 Field Test for Pollinators	(TEP)	-	-	-	-

5

\* In Bibliographic Citation column indicates study may be upgradeable

1. Composition: TGAI = Technical grade of the active ingredient; PAIRA = Pure active ingredient, radiolabeled; TEP = Typical end-use product
2. Use Patterns: A = Terrestrial Food Crop; B = Terrestrial Feed Crop; C = Terrestrial Non-Food Crop; D = Aquatic Food Crop; E = Aquatic Non-Food Outdoor; F = Aquatic Non-Food Industrial; G = Aquatic Non-Food Residential; H = Greenhouse Food Crop; I = Greenhouse Non-Food Crop; J = Forestry; K = Outdoor Residential; L = Indoor Food; M = Indoor Non-Food; N = Indoor Medical; O = Indoor Residential; Z = Use Group for Site 00000

3. This study will be required for any potential outdoor uses of trichloromelamine. This study may be upgraded to core upon submission of percent active ingredient of the test material.

4. This study is sufficient to support indoor food/non-food use patterns.

5