

03/501

IBT

(3)

EEE BRANCH REVIEW

MILD #

90548

MALINCO

90549

QUIN CCSO

STUDIES INC. w/ BILLY

DATE: IN 1/14/ OUT 1/14/76 IN OUT

FISH & WILDLIFE

ENVIRONMENTAL CHEMISTRY

EFFICACY

FILE OR REG. NO. 6305-10

PETITION OR EXP. PERMIT NO. N/A

DATE DIV. RECEIVED 1/12/76

DATE OF SUBMISSION 1/5/76

DATE SUBMISSION ACCEPTED

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

PRODUCT MGR. NO. 23 R. Mountfort

PRODUCT NAME(S) MCPP (Technical Grade)

COMPANY NAME ROBECO Chemicals Inc.

SUBMISSION PURPOSE Submission of avian toxicity data

CHEMICAL & FORMULATION 2-(2-methyl-4-chlorophenoxy) propionic acid, .94% ai

103.0 TOXICOLOGICAL PROPERTIES

103.1 ACUTE TOXICITY

103.1.2 AVIAN

- MRID #
90549
- (1) Bobwhite Quail (8-day dietary LC₅₀-using 10-15 day old birds): LC₅₀ = 5000 ppm for MCPP technical; Dieldrin LC₅₀ = 19 ppm (95% confidence limits of 11.1 to 32.3 ppm). Note following mortality for MCPP technical material:

<u>Levels</u>	<u>Mortality</u>
312.5 ppm	30%
625.0 ppm	20%
1250.0 ppm	20%
2500.0 ppm	0%
5000.0 ppm	20%

[see over for References.]

- MRID #
90545
- (2) Mallard Ducklings (8-day dietary LC₅₀ using 10-15 day old birds): LC₅₀ = 117.0 ppm (95% confidence limits = 86.7 - 158.0 ppm).

[see over for References.]

DIELDRIN (?)

105.0 CONCLUSIONS

- (1) The avian toxicity data submitted is acceptable and has been made a part of the record.
- (2) According to Section 3 Regulations and the proposed guidelines, the following studies are also, necessary to support your registration: (a) avian acute oral LD₅₀ data using one of the species from the avian dietary studies, (b) fish acute toxicity data using a cold-water and warm-water fish, and (c) invertebrate acute toxicity data using a sensitive aquatic invertebrate such as Daphnia sp., You should determine, however, when the Regulations and Guidelines are applicable to your product.

Norman Cook *WC*
Fish & Wildlife Section
Efficacy & Ecological Effects Branch
jt;1/15/76

REFERENCES

Bobwhite & Mallard Toxicity Data:

(1) Submitted by ROBECO Chemicals Inc., January 5, 1976, in support of Registration No. 6305-10. Testing by Industrial Bio-Test Laboratories, Inc: 8-Day Dietary LC50 Study with MCPP in Bobwhite Quail, June 11, 1975, IBT No. 651-06600; 8-Day Dietary LC50 Study with MCPP in Mallard Ducklings, June 11, 1975, IBT. No. 651-06601.

(2) Data supports Manufacturing Use Label.