



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

MEMORANDUM

9-5-91

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

SUBJECT: Review of Toxicity Studies with Propanil

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

TO: Lois Rossi, PM 74
Reregistration Branch
Special Review and Reregistration Division (H7508W)

Douglas Urban
9/4/91

The following eleven studies have been reviewed by the Ecological Effects Branch and have been included in the files.

71-1A Grimes, J. and M. Jaber. 1989. Propanil: An Acute Oral Toxicity Study with the Bobwhite. Project No. 271-104. Performed by Wildlife International Ltd., Easton, MD. Submitted by Propanil Task Force, c/o John M. Wise Associates, Liberty, MO. EPA MRID No. 413610-01.

71-2A Grimes, J. and M. Jaber. 1989. Propanil: A Dietary LC₅₀ Study with the Bobwhite. Study performed by Wildlife International Ltd., Easton, Maryland. Laboratory Study No. 271-101. Submitted by Propanil Task Force, Liberty, Missouri. MRID No. 413611-01.

71-2B Grimes, J. and M. Jaber. 1989. Propanil: A Dietary LC₅₀ Study with the Mallard. Study performed by Wildlife International Ltd., Easton, Maryland. Laboratory Study No. 271-102. Submitted by Propanil Task Force, Liberty, Missouri. MRID No. 413607-01.

72-1B Ritchie, P. and W.A. McAllister. 1989. Acute 96-Hour Flow-Through Toxicity of Propanil-4 Formulation to Bluegill (Lepomis macrochirus). Final Report No. 37768. Prepared by Analytical Bio-Chemistry Laboratories, Inc., Columbia, MO. Submitted by Propanil Task Force, Liberty, MO. EPA MRID No. 413598-01.



- 72-1D Richie, P. and W. McAllister. 1989. Acute 96-Hour Flow-Through Toxicity of Propanil-4 Formulation to Rainbow Trout (Oncorhynchus mykiss). ABC Report No. 37769. Performed by Analytical Bio-Chemistry Laboratories, Inc. Columbia, Missouri. Submitted by Propanil Task Force, Inc., c/o John M. Wise Associates, Liberty, Missouri. EPA MRID No. 413602-01.
- 72-2B Burgess, D. 1990. Acute Flow-Through Toxicity of Propanil-4-Isophorone Formulation to Daphnia magna. ABC Final Report No. 37770. Performed by Analytical Bio-Chemistry Laboratories, Inc., Columbia, Missouri. Submitted by Propanil Task Force, c/o John M. Wise Associates, Liberty, Missouri. EPA MRID No. 417768-01.
- 72-3A Sousa, J.V. 1990. (Propanil) - Acute Toxicity to Sheepshead Minnow (Cyprinodon variegatus) Under Flow-Through Conditions. SLI Report No. 90-02-3227. Prepared by Springborn Laboratories, Inc., Wareham, Massachusetts. Submitted by The Propanil Task Force, c/o John M. Wise, Liberty, Missouri. EPA MRID No. 417760-01.
- 72-3B Dionne, E. 1990. (Propanil) - Acute Toxicity to Eastern Oyster (Crassostrea virginica) Under Flow-Through Conditions. SLI Report No. 89-10-3184. Prepared by Springborn Laboratories, Inc., Wareham, Massachusetts. Submitted by The Propanil Task Force, Liberty, Missouri. EPA MRID No. 417771-01.
- 72-3C Sousa, J.V. 1990. (Propanil) - Acute Toxicity to Mysid Shrimp (Mysidopsis bahia) Under Flow-Through Conditions. SLI Report No. 90-4-3275. Performed by Springborn Laboratories, Inc., Wareham, Massachusetts. Submitted by The Propanil Task Force, c/o John M. Wise, Liberty, Missouri. EPA MRID No. 417769-01.
- 72-4A Sousa, J.V. 1991. (Propanil Technical) - Toxicity Test with Fathead Minnow (Pimephales promelas) Embryos and Larvae. SLI Report No. 90-6-3357. Study conducted by Springborn Laboratories, Inc., Wareham, MA. Submitted by Propanil Technical Task Force, Liberty, Missouri. EPA MRID No. 417765-01.
- 72-4B McNamara, P.C. 1991. (Propanil Technical) - Chronic Toxicity to Daphnids (Daphnia magna) Under Flow-Through Conditions. Report No. 90-6-3361; SLI Study No. 12177.1189.6105.130. Study conducted by Springborn Laboratories, Inc., Wareham, MA. Submitted by Propanil Task Force, Liberty, Missouri. EPA MRID No. 417766-01.

Of the above eleven studies, the following fulfill EEB data requirements:

71-1A	Acute Avian Oral/Quail	41361001
71-2A	Avian Dietary/Quail	41361101
71-2B	Avian Dietary/Duck	41360701
72-1B	Fish Toxicity Bluegill/TEP	41359801
72-1D	Fish Toxicity Rainbow Trout/TEP	41360201
72-2B	Invertebrate Toxicity/TEP	41776801
72-3A	Estuarine/Marine Toxicity/Fish	41776001
72-3C	Estuarine/Marine Toxicity/Shrimp	41776901

The following three studies would require that additional data be submitted in order to fulfill EEB data requirements:

72-3B	Estuarine/Marine Toxicity/Mollusk	41777101
72-4A	Early Life stage/Fish	41776 ⁵ 4 01
72-4B	Life Cycle Aquatic Invertebrate	41776601

For further questions please contact Dan Balluff at 557-7725.