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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

Subject: Review of Six Subacute Dietary Studies Submitted by Elf Atochem North America, Inc. in Support of Reregistration of Endothall Technical, the Amine Salt and the Dipotassium Salt

From: *afm* Anthony F. Maciorowski, Chief Ecological Effects Branch Environmental Fate and Effects Division (7507C) *Joseph J. Urban* 6/1/94

To: Shanaz Bacchus, Chemical Review Manager Special Review and Reregistration Division (7508C)

Data Evaluation Records (DERs) have been completed for six avian subacute dietary studies (EPA Guideline 71-2) submitted by Elf Atochem North America, Inc. in support of reregistration of endothall technical and its amine and dipotassium salts. A synopsis of these reports is provided below.

CHEMICAL: Endothall Technical (Shaughnessey No. 038901)

CITATION: Petersen, C.A. and A.M. Solatycki. 1994. Endothall Technical: 8-Day Acute Dietary LC₅₀ Study in Bobwhite Quail. Project No. BLAL No. 106-011-01. Performed by Biolife Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167701.

This study is scientifically sound and meets the guideline requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ of endothall technical for bobwhite quail is >5000 ppm. Therefore, this compound is classified as practically non-toxic to bobwhite quail.

CITATION: Petersen, C.A. and A.M. Solatycki. 1994. Endothall Technical: 8-Day Acute Dietary LC₅₀ Study in Mallard Ducklings. Project No. BLAL No. 106-015-02. Performed by Bio-Life Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167701.

This study is scientifically sound and meets the guideline requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ of endothall technical for

mallards is >5000 ppm. Therefore, this compound is classified as practically non-toxic to mallards.

CHEMICAL: Endothall mono (N,N-dimethylalkylamine) salt (Shaughnessey No. 038905)

CITATION: Petersen, C.A. and S. M. Thompson 1994. Hydrothol® 191 Aquatic Algicide and Herbicide: 8-Day Acute Dietary LC₅₀ Study in Mallard Ducklings. Project No. BLAL No. 106-016-02. Performed by Bio-Life Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167902.

This study is scientifically sound and meets the guideline requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ of Hydrothol® 191 Aquatic Algicide and Herbicide for mallards is >5000 ppm. This formulation is considered to be practically non-toxic to mallards.

CITATION: Petersen, C.A. and S. M. Thompson 1994. Hydrothol 191 Aquatic Algicide and Herbicide: 8-Day Acute Dietary LC₅₀ Study in Bobwhite Quail. Project No. BLAL No. 106-012-01. Performed by Bio-Life Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167901.

This study is scientifically sound and meets the guideline requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ of Hydrothol® 191 Aquatic Algicide and Herbicide for bobwhite quail is >5000 ppm. Therefore, this formulation is considered to be practically non-toxic to bobwhite quail.

CHEMICAL: Endothall, dipotassium salt (Shaughnessey No. 038904)

CITATION: Petersen, C.A. 1994. Aquathol® K Aquatic Herbicide: 8-Day Acute Dietary LC₅₀ Study in Bobwhite Quail. Project No. BLAL No. 106-013-01. Performed by Bio-Life Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167801.

This study is scientifically sound and meets the guideline requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ value of Aquathol® K Aquatic Herbicide is >5000 ppm. Therefore, this formulation is considered to be practically non-toxic to bobwhite quail.

CITATION: Petersen, C.A. 1994. Aquathol® K Aquatic Herbicide: 8-Day Acute Dietary LC₅₀ Study in Mallard Ducklings. Project No. BLAL No. 106-017-02. Performed by Bio-Life Associates, Ltd. N6230 County Road G, Neillsville, WI 54456. EPA MRID No. 43167802.

This study is scientifically sound and meets the guideline

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requirement for an avian dietary LC₅₀ toxicity test. Based on nominal concentrations, the 8-day LC₅₀ value Aquathol® K Aquatic Herbicide is >5000 ppm. This formulation is considered to be practically non-toxic to mallards.

If you have any questions concerning these DERS, please contact Joanne Edwards. She may be reached at (703) 305-6736.