

US EPA ARCHIVE DOCUMENT

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REVIEW NO.

EEB REVIEW

FEB 19 1992

DATE IN: 1-28-92 OUT: _____
ASSIGNED: 1-28-92
CASE # : 037980 REREG CASE #: _____
SUB. # S410062 LIST A, B, C, D
ID # : 352-515

DATE OF SUBMISSION _____ 1-17-92

DATE RECEIVED BY EFED _____ 1-23-92

SRRD/RD REQUESTED COMPLETION DATE _____ 2-17-92

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SRRD/RD ACTION CODE/TYPE OF REVIEW _____ 405 ADVERSE EFF. DAT

MRID #(S) _____ 421702-01 SUPPLEMENTAL DATA FOR PREVIOUSLY

_____ REVIEWED STUDY (MRID # 41798301)

DP TYPE _____ 001

PRODUCT MANAGER, NO. _____ GEORGE LAROCCA 13 ADAM HEYWARD

PRODUCT NAME(S) _____ ESFENVALERATE

TYPE PRODUCT _____

COMPANY NAME _____ DUPONT

SUBMISSION PURPOSE _____ CONSIDER SUPPLEMENTAL INFORMATION

_____ PROVIDED IN RESPONSE TO PREVIOUS DATA

REVIEW _____ GA2

COMMON CHEMICAL NAME _____

REVIEWER: MIKE REXRODE



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

D173422

FEB 10 1992 OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: 6(a)(2) Response; Daphnia magna Acute Study

FROM: Doug Urban, Acting Chief
Ecological Effects Branch
Environmental Fate and Effects Division

George LaRocca
2/18/92

TO: George LaRocca, PM-13
Registration Division

The registrant, DuPont, has made a submission under FIFRA Section 6(a)(2) in reference to an incomplete acute Daphnia magna toxicity study on ASANA (esfenvalerate). The study (MRID: 41798301) was reviewed by EEB and was found to be invalid due to analytical problems noted from an interfering chromatographic peak (described as a "contaminant" in the original study).

The registrant has acknowledged that the validity of this experiment was compromised by the following problems: racemization of the active ingredient, low analytical recoveries from spiked samples, and an interfering peak in the analysis of the test samples. As a result of these problems, the mean measured test concentrations are questionable and do not accurately depict exposure of toxicant to the test organisms. Therefore, in order to better assess the toxicity of ASANA to Daphnia magna, DuPont has agreed to repeat the study (Miachel Rexrode, 305-5578).

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