D173422
DPBARCODE (RECORD)
109303
SHAUGHNESSY NO

27
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

EEB ESTIMATED COMPLETION DATE 2-17-92

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 6A2

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 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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