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

SEP 28 1992

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: REQUEST FOR DATA WAIVER OF REREGISTRATION REQUIREMENTS FOR FENVALERATE (REREGISTRATION CASE NO. 2280)

FROM: Laura E. Morris, Environmental Scientist Laura E. Morris

TO: Ernestine Dobbins
Accelerated Reregistration Branch
Special Review and Reregistration Division (H7508W)

THRU: Alan P. Nielsen, Section Head
Reregistration Section

Larry C. Dorsey, Acting Chief Larry Dorsey
Occupational and Residential Exposure Branch
Health Effects Division (H7509C)

Please find below the OREB review of:

DP Barcode: 178203

Pesticide Chemical Code: 109301

EPA Reg. No.: N/A

EPA MRID No.: N/A

Review Time: 1 day

PHED: NO

I. INTRODUCTION

This memorandum is in response to the data waiver requests submitted by E.I. Du Pont De Nemours and Company, Inc. in support of FIFRA '88 reregistration data requirements for Fenvalerate. Fenvalerate is an insecticide, acaricide and repellent/feed depressant formulated as an impregnated collar or tag, emulsifiable concentrate, soluble liquid concentrate, ready-to-use liquid or pressurized liquid. According to the LUIS report dated 2/19/91, fenvalerate is registered for the following use groups: 1) terrestrial food/feed crops (i.e., fruit, vegetables, cotton, barns, etc.), 2) terrestrial non-food crops and outdoor/indoor residential (i.e., ornamental lawns and turf, solid waste containers (garbage cans), wood protection treatment to buildings, pet living quarters, etc.), 3) forestry, and 4) indoor food (i.e., eating establishments, etc.).

With regard to the toxicity of this pesticide, the acute dermal LD50 in the rabbit is less than 2000 mg/kg (toxicity category 2) and the acute inhalation LC50 in the rat is also toxicity category 2 (based on HED's tox one-liner dated 2/11/91).

As a result of the Phase 4 review the following data, of which the registrant is requesting a waiver, were required for postapplication exposure:

guideline #133-3 - dermal exposure, and
guideline #133-4 - inhalation exposure.

II. DETAILED CONSIDERATIONS

The registrant's rationale for requesting a waiver of the worker exposure data requirements is as follows:

> DuPont has deleted the use patterns relevant to the reentry exposure data requirements, and these requirements are inappropriate for the remaining indoor uses being supported.

III. CONCLUSIONS/RECOMMENDATIONS

Based on the use information currently available, postapplication exposure exists for humans reentering the treated indoor sites, i.e., hospitals, eating establishments, pet kennels etc. Therefore, eventhough the registrant does not intend to support the outdoor uses of this chemical, the requirements are still applicable for the indoor sites. Data (labels) should be submitted stating the specific indoor sites that are being supported (an amended label was included for Technical Pydrin® Insecticide, an insectide for formulating use only, "... may be used only for reformulation into products with specific use site

applications corresponding to the following General Use Groups: Indoor Non-food, or Indoor Residential"). If the registrant is aware of data that would provide more details concerning the indoor uses and would negate the necessity for postapplication exposure data, then the information should be submitted to the Agency for review. In addition, if these uses are not applicable to Du Pont then the appropriate registrant (i.e., Roussel Bio Corporation) should respond accordingly. In conclusion, based on the data currently available, OREB recommends that the data waiver requests be denied for guideline #s 133-3 and 133-4, dermal and inhalation exposure, respectively.

cc: Laura E. Morris/OREB (H7509C)
Chemical File (Fenvalerate)
Correspondence File
Circulation