

US EPA ARCHIVE DOCUMENT

21200

PAT 16



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

OPP OFFICIAL RECORD  
HEALTH EFFECTS DIVISION  
SCIENTIFIC DATA REVIEWS  
EPA SERIES 361

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: RfD/Peer Review Report of Fenamiphos: Highlights

CASRN. 2224-92-6  
EPA Chem. Code: 100601  
Caswell No. 453A

FROM: George Z. Ghali, Ph.D. *G. Ghali 5.20.93*  
Manager, RfD/Peer Review Committee  
Health Effects Division (H7509C)

TO: James Kariya  
Science Analysis Branch  
Health Effects Division (H7509C)

The Health Effects Division RfD/Peer Review Committee met on May 20, 1993 to discuss and evaluate the toxicology data submitted in support of Fenamiphos re-registration and to re-assess the Reference Dose (RfD) for this chemical.

The Committee recommended that a Reference Dose (RfD) should be established on the basis of a NOEL of 0.01 mg/kg/day for plasma cholinesterase inhibition observed at 0.03 mg/kg/day in a long-term feeding study in dogs. An uncertainty factor (UF) of 100 was used to account for the inter-species extrapolation and intra-species variability. On this basis the RfD was calculated to be 0.0001 mg/kg/day.

The chemical was classified in as a "Group E" based on adequate studies in two animal species. There was no evidence to suggest that the chemical is a developmental toxicant. The Committee discussed the acute toxicity issue but no conclusion was made regarding the hazard of a one-time or one-day exposure for other toxicological end-points.

Please note that a full and detailed RfD meeting report will follow soon.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber



13544

R059911

**Chemical:** Fenamiphos

**PC Code:** 100601  
**HED File Code** 21200 PEER REVIEW  
**Memo Date:** 05/20/93 12:00:00 AM  
**File ID:** 00000000  
**Accession Number:** 412-04-0047

**HED Records Reference Center**  
04/05/2004