

US EPA ARCHIVE DOCUMENT



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

2/18/81

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg.#11273-EUP-19; Propetamphos; PP#OH5260; Request for temporary food additive tolerance of 0.1 ppm in or on food and experimental use permit for use in food handling establishments. Additional information to memo of 6/18/80.
CASWELL #706A

FROM: William Dykstra, Toxicologist
Toxicology Branch, HED (TS-769)

WBD JDC
2/12/81

TO: William Miller (16)
Registration Division (TS-767)
and
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

WAB

Recommendations:

- 1) The temporary food additive tolerance and EUP can be toxicologically supported. The previous calculation of PMPI utilized a 100 fold safety factor for cholinesterase inhibition. The subsequently submitted interim report of the chronic mouse feeding study demonstrates that ChE NOEL of 0.05 mg/kg/day is the same for the 6-month dog study and the chronic mouse study. Therefore, a safety factor of 10 for ChE NOEL is appropriate for calculating the PMPI. The PMPI is calculated to be 0.3 mg/day. The TMRC is 0.15 mg/day which is 50% of the PMPI.

TS-769:th:TOX/HED:WDYKSTRA:RM. 820:CM#2:2-11-81:X77393

2 pages

mg/kg/day mg/kg/day mg/kg/day mg/kg/day (50kg)
 0.150 2.5 10 0.0050 0.3000

Current action 0.15200

CRF tolerance factor mg/day (1.5kg)
 All foods (157) 0.100 100.00 1.15000

LPI RBC % ADI
 0.3000 mg/day (50kg) 0.1500 mg/day (1.5kg) 50.00
