

US EPA ARCHIVE DOCUMENT

DP BARCODE : D174781PC Code No.: 58001Date Out of EFGWB: MAR 23 1992

TO: Larry Schnaubelt/Robert Richards
Product Manager #72
Registration Division (H7505C)

FROM: Akiva D. Abramovitch, Ph.D., Section Head
Environmental Chemistry Review Section #3
Environmental Fate and Ground Water Branch, EFED (H7507C)

THRU: Henry M. Jacoby, Chief
Environmental Fate and Ground Water Branch/EFED (H7507C)

Attached, please find the EFGWB review of:

Reg./File #: 058001

Common Name: Azinphos-methyl

Chemical Name: O,O'-Dimethyl-S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl-
methyl]phosphorothioate

Type product: Insecticide/Acaricide/Molluscicide

Product Name: GUTHION

Company Name: Not Specified

Purpose: Review of proposed DCI for this chemical

Action Code: 623 EFGWB #: 92-0550 Total Reviewing
Time: 1.0 days

EFGWB Guideline/MRID Summary Table: The review in this package contains:

NO STUDIES WERE SUBMITTED				
161-1	162-1	164-1	165-1	166-1
161-2	162-2	164-2	165-2	166-2
161-3	162-3	164-3	165-3	166-3
161-4	162-4	164-4	165-4	167-2
201-1	163-1	164-5	165-5	167-3
202-1	163-2/-3			



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

MAR 23 1992

MEMORANDUM

SUBJECT: Proposed DCI- Azinphos-methyl
PC #58001
DP BARCODE: D174781
EFGWB #92-0550

FROM: Silvia C. Termes, Chemist
Review Section #3
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

TO: Larry Schnaubelt/Robert Richards
Product Manager #72
Reregistration Branch, SRRD (H7508W)

THRU: Akiva D. Abramovitch, Ph.D.
Review Section #3
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

Henry M. Jacoby, Chief
Environmental Fate and Ground Water Branch
Environmental Fate and Effects Division (H7507C)

The Branch has reviewed the proposed DCI and found that it does not correctly reflect EFGWB's position stated in the 1/2/92 review and the ALISS summary Table.

Corrections have been made in the proposed DCI (see page 2, Comments for Guideline Requirements). Note from the ALISS summary and the table of data requirements included in the 1/2/92 review, that the registrant must address the formation/fate/transport of degradates containing solely an organophosphate moiety in Hydrolysis (161-1), Photodegradation in Water/on Soil (161-2/-3), Aerobic/Anaerobic Soil Metabolism (162-1/-2) processes and their Mobility in Soil (163-1). Accumulation of any organophosphate moiety in crops must also be addressed, as requested in the 1/2/92 review.

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The Branch believes that the registrant may already have specific information on the formation/fate/transport of species containing the organophosphate moiety. The Branch has concerns about formation and transport of these species and the lack of information about them in the azinphos-methyl files. The Branch is not requesting new 161-1/-2 -3; 162-1/-2; 163-1 (except those indicated in the DCI) for this purpose.

For the 165-1 study, the registrant must also provide the additional information outlined in the RECOMMENDATIONS section (1/2/92 review; copy attached).

165-1 Review of 1/2/92

7. RECOMMENDATIONS:

- A. The registrant must provide the additional information requested in the CONCLUSIONS section, which include,
 - a. Storage stability data/length of freezer stability to support results of MRID #41393601.
 - b. Provide HPLC limits of detection for parent/degradates in crops and soil.
 - c. Identification of residues at each rotation time.
 - d. Explain the discrepancy on metabolites found in an earlier study and the new study.
 - e. Address the formation of species containing an organophosphate moiety and their fate/transport/accumulation.