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

JUL 14 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg.# 3125-319
[RCB #946]
[Acc. #262752]

Triadimefon [Bayleton®]:
Additional Product
Chemistry Data

FROM: William L. Anthony
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William L. Anthony

TO: Henry M. Jacoby, PM 21
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THRU: Ed Zager, Section Head
Special Registration Section II
Residue Chemistry Branch
Hazard Evaluation Division (TS-769C)

The Mobay Chemical Corporation, Agricultural Chemical Division, Kansas City, has submitted additional product chemistry data(4/28/86) for their registered product, Bayleton®-50% WP, a fungicide,(EPA Reg. #3125-319).

The common name for the active ingredient in this product is triadimefon [1-(4-Chlorophenoxy)-3,3-Dimethyl-(1H-1,2,4-triazol-1-yl)-2-Butanone].

Tolerances have been established for residues of triadimefon and its metabolites containing chlorophenoxy and triazole moieties (expressed as the fungicide) in/on numerous raw agricultural commodities ranging from 0.04 ppm to 145 ppm [40 CFR 180.410].

The following data are submitted in accordance with Product Chemistry Guidelines 40 CFR 158.120, Physical and Chemical Characteristics Series 63.0.

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Series 63.0 PHYSICAL & CHEMICAL CHARACTERISTICS

Note: The registrant has supplied data for the formulation BAYLETON®-50% WP which conforms to test substances as Manufacturing-Use Product (MUP) and/or End-Use Product (EUP).

§63.2	Color	Off-white
§63.3	Physical State	Powder
§63.4	Odor	Mild, non-offensive
§63.7	Density, Bulk Density, Specific Gravity:	The bulk density for a solid: "fluffed" = 12-16 lb/ft^3 "packed" = 19.23 lb/ft^3
§63.12	pH:	The pH of 1% BAYLETON®-50% WP plus distilled water @ 23°C. was 8.
§63.14	Oxidizing or Reducing:	No O/R agents are present
§63.16	Explodability:	No impact explodability is expected Note: The registrants based this conclusion on §63.16(a), i.e., the chemical nature of the formulation ingredients
63.17	Storage Stability:	After 1 to 2 years of warehouse storage plus 6 months at 40°C and 8 weeks at 50°C, there were no significant changes in the chemical/physical properties of BAYLETON®-50% WP

§63.20	Corrosion Characteristics:	Test combined with §63.17.

Conclusion and Recommendation:

The registrants have submitted additional Physical and Chemical data for their registered MUP and/or EUP.

cc: Review.:PM#21:RF:SF(Bayleton®/Triadimefon):PMSD/ISB:Circu.
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TS-769:RCB:WAnthony:Rm812:CM#2:X557-4351.
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