



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

JUL
14 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: EPA Reg.# 3125-319 Triadimefon [Bayleton®]:
[RCB #946] Additional Product
[Acc. #262752] Chemistry Data

FROM: William L. Anthony
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Hazard Evaluation Division (TS-769C)

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

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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.

132

§63.2 Color Off-white

§63.3 Physical State Powder

\$63.4 Odor Mild, non-offensive

§63.7	Density, Bulk	The bulk density for a solid:
	Density, Specific	"fluffed" = 12-16 lb/ft ³
	Gravity:	"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.
RDI:Sec.Head:E.Zager,7/2/86:R.D.Schmitt,7/2/86.
TS-769:RCB:WAnthony:Rm812:CM#2:X557-4351.
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140