Date Out: MAR 20 1997

Chemical Code: 081901
DP Barcode: D224906

ENVIRONMENTAL FATE AND GROUND WATER BRANCH

Review Action

To: Walt Waldrop, PM # 71
Special Review and Reregistration Division (7508W)

From: Elizabeth Behl, Section Head
Ground Water Technology Section
Environmental Fate & Ground Water Branch/EFED (7507C)

Thru: Elizabeth, Behl, Acting Branch Chief
Environmental Fate & Ground Water Branch/EFED (7507C)

Attached, please find the EFGWB review of...

Common Name:	Chlorothalonil	**Trade name:**	Bravo, Daconil
Company Name:	ISK Biotech		
ID #:	081901		
Purpose:	Review progress report for prospective ground-water monitoring study in North Carolina.		

Type Product:	Action Code:	EFGWB #(s):	Review Time:
Fungicide	627		15 days

STATUS OF STUDIES IN THIS PACKAGE:

Guideline #	MRID	Status[1]
166-1	43959-01,02	

→ 43959401 -02

STATUS OF DATA REQUIREMENTS ADDRESSED IN THIS PACKAGE:

Guideline #	Status[2]
166-1	n

[1]Study Status Codes: A = Acceptable U = Upgradeable C = Ancillary I = Invalid.
[2]Data Requirement Status Codes: S = Satisfied P = Partially satisfied N = Not satisfied R = Reserved W = Waived.

MAR 20 1997

MEMORANDUM

FROM: James K. Wolf, Ph.D.
Soil Physicist
Ground Water Section
Environmental Fate and Ground Water Branch (7507C)

TO: Walter Waldrop PM # 71
Reregistration Branch (7508W)

THRU: Elizabeth Behl, Section Head
Ground Water Section

Elizabeth Behl, Acting Branch Chief
Environmental Fate and Ground Water Branch (7507C)

RE: Review of interim report for small-scale prospective ground-water monitoring study for chlorothalonil (166-1).

DP Barcode D224906. Submission S503334. Interim report submitted by ISK in support of reregistration of chlorothalonil. PC Code: 081901; MRID 439594-01, 02

RECOMMENDATIONS

This interim report should be accepted.

DISCUSSION

This progress report covers the period June 1994 through December 1995, for small-scale ground-water monitoring study being conducted in North Carolina as part of the data requirements for chlorothalonil. The report corresponds with monthly sampling intervals covering the period through 15 months following the last application of chlorothalonil. The analytical data presented is for the period June 1994 to September 1995, or 12 months following the last application of chlorothalonil.

Data demonstrates leaching of the bromide tracer, chlorothalonil, and several of the degradates in the soil (soil and soil-pore water samples) and the detection of chlorothalonil, metabolite SDS-46851, and bromide ion in ground water. The maximum concentration of SDS-46851 reported was 9.9 µg/L. Detections of chlorothalonil (SDS-2787) ranged from <0.1 to 0.3 µg/L. No other occurrences of chlorothalonil residues (SDS-3701, SDS-47525, SDS-19221) were reported in water wells for the period of the Progress report. The maximum bromide concentration measured during the sampling period was 3.6 mg/L. Analytical data for soil samples was also presented.

COMMENTS

A progress report that covered additional monitoring results, through April 1996, was previously review by EFED (DP Barcode D229629 Submission S511182. MRID 440915-00, 01). EFED determined that the registrant could discontinue collecting and analyzing soil and suction lysimeter samples. However, groundwater monitoring was to continue.

It should also be stated that this does not reflect an EFGWB acceptance (or rejection) of the study results or any interpretations included in the report.