

US EPA ARCHIVE DOCUMENT

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:**

**STATUS OF DATA REQUIREMENTS  
ADDRESSED IN THIS PACKAGE:**

| Guideline # | MRID        | Status <sup>1</sup> |
|-------------|-------------|---------------------|
| 166-1       | 43959-01,02 |                     |
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→ 43959401 -02

| Guideline # | Status <sup>2</sup> |
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| 166-1       | n                   |
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<sup>1</sup>Study Status Codes: A=Acceptable U=Upgradeable C=Ancillary I=Invalid.  
<sup>2</sup>Data Requirement Status Codes: S=Satisfied P=Partially satisfied N=Not satisfied R=Reserved W=Waived.

MAR 20 1997

166 07 JAW  
MAR 20 1997

MEMORANDUM

FROM: James K. Wolf, Ph.D. *James K Wolf*  
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  
*aBehl*  
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, ground-water 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.