

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: _____

Date Out of EAB: APR 1 1987

To: J. Kempter
Product Manager #32
Registration Division (TS-767)

From: Dr. Akiva D. Abramovitch, Acting Chief
Environmental Chemistry Review Section 1 *A*
Exposure Assessment Branch
Hazard Evaluation Division (TS-769-C)

Attached, please find the EAB review of...

Reg./File # : 11725-T
Chemical Name: TEK-TROL
Type Product : Microbiocide
Product Name : TEK-TROL Disinfectant Cleaner Concentrate
Company Name : Bio-Tek Industries
Purpose : Review of biodegradation data of the three active ingredients
in this microbiocide.

Action Code: 161 EAB #(s): 60918
Date Received: 9/11/86 TAIS Code: 301
Date Completed: 4/14/87 Total Reviewing Time: 1.0 day
Monitoring study requested: _____
Monitoring study voluntarily: _____

Deferrals to: _____ Ecological Effects Branch
_____ Residue Chemistry Branch
_____ Toxicology Branch

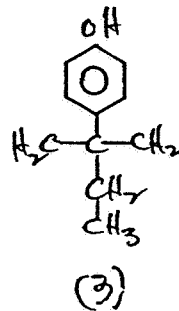
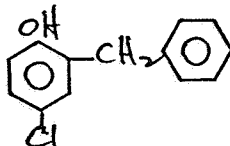
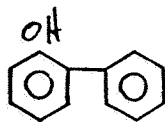
1. CHEMICAL:

Common Name- TEK-TROL

Chemical Name- (1) ortho-phenylphenol 12.0%
(2) ortho-benzyl-para-chlorophenol 10.0%
(3) para-tertiary-amylphenol 4.0%

Trade Name- TEK-TROL Disinfectant Cleaner Concentrate

Chemical Structure-



2. TEST MATERIAL: Not applicable. Submitted does not apply to our guidelines.

3. STUDY ACTION/TYPE: Bio-Tek Industries has submitted a biodegradation study done by a contract lab to satisfy customers (particularly in California) that the ingredients (inerts and the three actives) are biodegradable.

4. STUDY IDENTIFICATION: Not applicable. Study does not apply to our guidelines.

5. REVIEWED BY:

Herbert L. Manning, Ph.D.
Microbiologist
EAB/HED

Signature: *Herbert L. Manning*
Date: 4/14/87

6. APPROVED BY:

Dr. Akiva D. Abramovitch, Acting Chief
Section 1
EAB/HED

Signature: *Akiva Abramovitch*
Date:

APR 14 1987

7. CONCLUSION:

The study was not reviewed, since it does not follow, or resemble, any study in our guidelines (Pesticide Assessment Guidelines, Subdivision N).

8. RECOMMENDATIONS:

EAB did not review the submitted biodegradation study. It was not solicited by use, nor does it resemble anything in our guidelines.

The use pattern for the microbiocide, as shown on the label, indicates an indoor/outdoor use. The indoor use is readily perceived, which involves the treating of walls, floors, equipment, and other contaminated surfaces in hospitals, homes, poultry houses, and farm premises. However, the poultry house and farm premise uses would involve the rinsing of the treated areas with water (possibly large volumes) that would very likely be drained to the outdoors, either directly or to sewers (probably both). Therefore, the following studies are required for an outdoor domestic use:

- Hydrolysis- section 161-1 of subdivision N
- Aerobic soil metabolism- section 162-1
- Leaching and adsorption/desorption- section 163-1
- Soil field dissipation- section 164-1

9. BACKGROUND:

A. Introduction

See Section 3 of this review.

B. Direction for Use

See attached label.

10. DISCUSSION OF INDIVIDUAL STUDY:

Not applicable. Study does not follow, or resemble our guidelines.

11. COMPLETION OF ONE-LINER:

Not applicable.

12. CONFIDENTIAL APPENDIX:

Contains accompanying letter.