

US EPA ARCHIVE DOCUMENT

Shaughnessy No: 081901

Date Out of EAB: FEB 25 1985

To: H. Jacoby
Product Manager 21
Registration Division (TS-767)

From: Samuel M. Creeger, Chief
Environmental Chemistry Review Section 1
Exposure Assessment Branch
Hazard Evaluation Division TS-769c



COPY

Attached, please find the EAB review of:

Reg./File # : 50534-ER

Chemical Name: chlorothalonil

Type Product : Microbiocide

Product Name : TUFFCIDE 500 B

Company Name : SDS Biotech Corp

Purpose : New product, microbiocide for use in drilling muds and oil field operations.

Action Code : 171

EAB #(s) : 5222

Date Received : 12/21/85

TAIS Code: 31

Date Completed: 2/20/85

Reviewing Time: 1.0

Deferrals to:

 Ecological Effects Branch

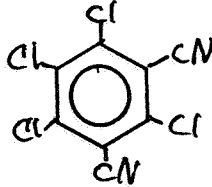
 Residue Chemistry Branch

 Toxicology Branch

1.

1. CHEMICAL: chlorothalonil, tetrachloroisophthalonitrile

TUFFCIDE 500B (40.4% ai)



2. TEST MATERIAL: Not applicable. No new studies submitted.

3. STUDY/ACTION TYPE: Request for registration for a new use: as a microbiocide in drilling muds and oil field operations.

4. STUDY IDENTIFICATION: Not applicable. No new data submitted.

5. REVIEWED BY:

Herbert L. Manning
Microbiologist
EAB/HED

Signature:

Herbert L. Manning

Date:

21 Feb 1985

6. APPROVED BY:

Samuel M. Creeger
Chief, Section 1
EAB/HED

Signature:

Samuel M. Creeger

Date:

FEB 25 1985

7. CONCLUSIONS:

EAB considers the drilling mud/oil field operation uses for chlorothalonil to be those of a terrestrial noncrop product. As such, there is no need for an amendment to the registration standard since this use is already mentioned in the standard. The data requirements for the terrestrial noncrop use as an antimicrobial preservative have not been completely met; studies on photodegradation in water and leaching are still needed.

8. RECOMMENDATIONS:

EAB does not feel an amendment to the chlorothalonil registration standard is required for this new use (antimicrobial in oil field operations) since it's already considered in the standard.

The data requirements that have been met for this terrestrial noncrop use are:

- o Hydrolysis
- o Aerobic soil metabolism
- o Soil field dissipation
- o Fish accumulation

The data gaps that still exist are:

- o Photodegradation in water
- o Leaching

A soil column leaching study was previously reviewed (17 May 1984) and found unacceptable and inadequate.

9. BACKGROUND:

A. Introduction

This is a request for a new use for chlorothalonil as a new product: an antimicrobial preservative to control heterotrophic bacteria in drilling mud and oil field processing fluids containing starch or water-soluble polymers. The Product Manager is concerned whether the new use will require an amendment to the chlorothalonil Registration Standard.

B. Directions for Use

See CONFIDENTIAL APPENDIX for label.

C. Reported Results

Not applicable.

D. Study Author's Conclusions

Not applicable.

E. Reviewer's Comments

Not applicable.

11. COMPELITION OF ONE-LINER:

No new data submitted.

3.

12. CONFIDENTIAL APPENDIX

Page ___ is not included in this copy.

Pages 5 through 7 are not included.

The material not included contains the following type of information:

- Identity of product inert ingredients.
 - Identity of product impurities.
 - Description of the product manufacturing process.
 - Description of quality control procedures.
 - Identity of the source of product ingredients.
 - Sales or other commercial/financial information.
 - A draft product label.
 - The product confidential statement of formula.
 - Information about a pending registration action.
 - FIFRA registration data.
 - The document is a duplicate of page(s) _____.
 - The document is not responsive to the request.
-

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
