

US EPA ARCHIVE DOCUMENT

Shaughnessy No: 069149

Date Out of EAB: MAR 05 1985

To: John Lee  
Product Manager 31  
Registration Division (TS-767)

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

Attached, please find the EAB review of:

Reg./File # : 1839-DGE

Chemical Name: didecyl dimethyl ammonium chloride

Type Product : Algaecide

Product Name : 5% BTC 99

Company Name : ONYX Chemical Co.

Purpose : For use as a swimming pool algaecide.

Action Code : 160

EAB #(s) : 5322

Date Received : 2/7/85

TAIS Code: 32

Date Completed: 3/5/85

Reviewing Time: 0.5 days

Deferrals to: Ecological Effects Branch  
Residue Chemistry Branch  
Toxicology Branch

1. CHEMICAL: Didecyl dimethyl ammonium chloride, swimming pool algaecide, 5.0% ai.

Trade Name: 5% BTC 99

Chemical Structure: See previous review of 11 Sep 1984.

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

3. STUDY/ACTION TYPE: Requests registration of 5% BTC 99 as a swimming pool algaecide.

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

5. REVIEWED BY:

Herbert L. Manning  
Microbiologist  
EAB/HED

Signature: *Herbert L. Manning*  
Date: 5 Mar 1985

6. APPROVED BY:

Samuel M. Creeger  
Chief, Section 1  
EAB/HED

Signature: *Samuel M. Creeger*  
Date: MAR 05 1985

7. CONCLUSIONS:

EAB does not have any environmental fate data in our files on this chemical. The specific data requirements are given below under RECOMMENDATIONS.

8. RECOMMENDATIONS:

EAB has no environmental fate data on didecyl dimethyl ammonium chloride.

The data requirements for a swimming pool algaecide depend upon whether there is Direct Discharge, Indirect Discharge, or No Discharge.

Direct Discharge means "the release, treatment, or application of a pesticide product directly to water at sites within or directly connected to bodies of water to which wild animals, birds, fish, and similar organisms have free access".

The requirements for this type of discharge are:

- Hydrolysis
- Photodegradation-water
- Aerobic aquatic metabolism
- Anaerobic aquatic metabolism
- Leaching
- Water field dissipation
- Fish accumulation
- Aquatic nontarget accumulation

Indirect Discharge means "release, treatment, or application of a pesticide product to water at sites not directly connected to bodies of water to which wild animals, birds, fish, and similar organisms have free access".

The data requirement for this type of discharge is a hydrolysis study only.

No Discharge - A hydrolysis study is still required

If Direct Discharge of 5% BTC 99 occurs (in accordance with NPDES permit), then the data required are those listed above.

Due to the nature of the proposed use, the minimum data requirements will be hydrolysis and aqueous photolysis.

## 9. BACKGROUND:

### A. Introduction

See Section 3 of this review.

### B. Direction for Use

See the attached label.

## 10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

### A. Study Identification

Not applicable. No new data were submitted.

## 11. COMPLETION OF ONE-LINER:

No new data submitted. No data in our files.

## 12. CONFIDENTIAL APPENDIX:

No CBI was included in the package sent to EAB.

Didecyl dimethyl ammonium chloride review

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Page 4 is not included in this copy.

Pages \_\_\_\_\_ through \_\_\_\_\_ are not included in this copy.

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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 product 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
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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.

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