

US EPA ARCHIVE DOCUMENT

FILE COPY

Date Out EFB: JAN 19 1982

To: Product Manager 31 Lee
TS-767

From: Dr. Willa Garner *lll*
Chief, Review Section No. 1
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 10445-12

Chemical: didecyl dimethyl ammonium chloride

Type Product: Microbiocide

Product Name: H-130

Company Name: Calgon

Submission Purpose: Use in cooling tower

ZBB Code: ?

ACTION CODE: 316

Date in: 12/28/81

EFB # 120

Date Completed: JAN 19 1982

TAIS (level II) Days

Deferrals To: 63 1/2

Ecological Effects Branch

Residue Chemistry Branch

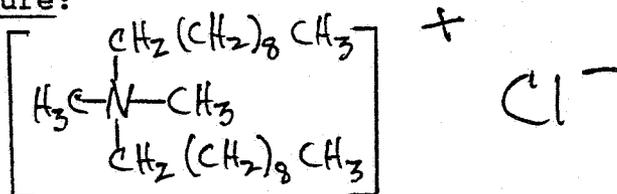
Toxicology Branch

1.0 Introduction

Chemical Name and Type Pesticide: didecyl dimethyl ammonium chloride, 50% ai, Microbiocide.

Trade Name: H-130

Chemical Structure:



Calgon requests the use of the microbiocide in once-through cooling systems to control the asiatic clam be added to the label. H-130 is currently registered for use in recirculating cooling systems to control algae and bacterial slimes.

2.0 Directions for Use

See attached page for proposed new label.

3.0 Discussion of Data

No new EC data was submitted.

4.0 Recommendations

EFB concurs with the proposed use of H-130 in once-through cooling systems. No significant adverse environment effect should result from this new use for the following reason:

1. Didecyl dimethyl ammonium chloride degrades very rapidly in a cooling system (36.0 to 0.7 ppm in 14 hours). ←
2. H-130 is already registered for recirculating cooling systems.
3. The new proposed application rate appears to be less than that used for algae and slimes; however the labeling is not clear on the amount used for control of the asiatic clams. The rate should be clarified on the label by the registrant.

Hebert L. Manning

Hebert L. Manning, Ph.D.
Review Section #1
EFB/HED

Didecyl dimethyl ammonium chloride review

Page 3 is not included in this copy.

Pages _____ through _____ are not included in this copy.

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.
