

US EPA ARCHIVE DOCUMENT

128101


12-10-85

FILE COPY

Shaughnessy No.: N/A

Date Out of EAB: DEC 10 1985

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

From: Samuel M. Creeger, Chief 
Review Section #1
Exposure Assessment Branch
Hazard Evaluation Division (TS-769)

Attached, please find the EAB review of...

Reg./File # : 707-RTL

Chemical Name: RH 5287 and RH 085

Type Product : Antifoulant

Product Name : N/A

Company Name : ABC Laboratories

Purpose : Aqueous Photolysis Protocol

Date Received: 9/13/85 Action Code(s): 116

Date Completed: DEC 10 1985 EAB #(s) : 5928

days: 1

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

Monitoring study requested by EAB:

Monitoring study voluntarily conducted by registrant:

①

1. CHEMICAL: Unknown
2. TEST MATERIAL: Unknown
3. STUDY/ACTION TYPE: Protocol Review
4. STUDY IDENTIFICATION: Determination of Photolysis Rate
5. REVIEWED BY:

Akiva D. Abramovitch, Ph.D.
Chemist
Environmental Chemistry Review Section 1 EAB/OPP

Abramovitch
Date: 12/10/85

6. APPROVED BY:

Samuel M. Creeger, Chief
Supervisory Chemist
Environmental Chemistry Review Section 1 EAB/OPP

Sam M Creeger
DEC 10 1985
Date: / /85

7. CONCLUSIONS:

Please see section 8.

8. RECOMMENDATIONS:

The objective of the study is to determine the environmental fate of the test compound under sunlight (not under artificial sunlight) and under experimental conditions that would simulate actual field conditions as much as possible.

The two protocols (identical protocols) appeared to be generally acceptable. However, they could not be properly evaluated for lack of specific information with regard to the exact experimental conditions. Without the requested clarifications, the adequacy of this protocol cannot be determined. The identity of the test compound, its solubility and stability in water at various pH's, the pH at which the photolysis will be conducted, etc., should be reported. The temperature at which the photolysis will be conducted was not specified (but should not exceed 25°C-shown at 40°C at the photolysis scheme).

There are several questions with regard to the photolysis light source since we are only concerned with the light that irradiates the test chemical (rather than the light that is emitted from the lamp). The emitted light should simulate sunlight in both wavelength range and intensity and a spectra of the emitted light should be attached to the report (See Experimental Approaches to Environmental Photochemistry by R. G. Zepp, pp. 24 in the Handbook of Environmental Chemistry, Volume 2/Part B edited by O. Hutzinger). In the event the lamp will be placed outside the glass container, the characteristics of the glass should be specified (and was not specified) since light is transmitted differently by different glass materials. The spectral information for the light source was attached and was not found to simulate sunlight. The spectra of the light that will irradiate the sample was not submitted.

We recommend the registrant resubmit their test protocol written specifically for the pesticide(s) to be studied.

9. BACKGROUND:

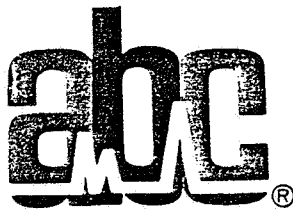
A. Introduction: The registrant listed
4,5-dichloro-2-n-octyl-3(2H)isothiazole
and
4-chloro-2-n-octyl-3(2H)isothiazole
but did not specify which chemical corresponds to
which company designation (RH-5287 or RH-085).

B. Directions for Use: None

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: None

11. COMPLETION OF ONE LINER: N/A

12. CBI APENDIX: N/A



ANALYTICAL BIO-CHEMISTRY LABORATORIES, INC.
P.O. Box 1097 • Columbia, MO 65205
Shipping Address: 7200 East ABC Lane, Columbia, MO 65202
(314) 474-8579 • Telex 821 814 • Answer Back (ABCLAB UD)

ABC Protocol #M-8301

(Revised June 5, 1985 for Rohm and Haas Company)

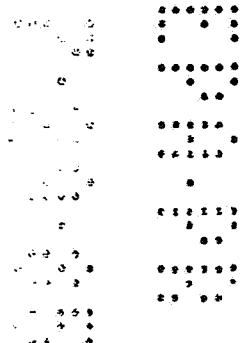
"Determination of Photolysis Rate"

ABC Study Number 32117

Sponsor Rohm and Haas Company

Test Material ¹⁴C-RH-5287

Sponsor Study Number _____



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KATHON 287 T

Page _____ is not included in this copy.

Pages 5 through 16 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 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.
