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Sloughnessy No: 028501

Date Out of EAB: FEB 26 1985

To: Artur Castillo/Laird  
Product Manager 32  
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 # : 3890f-7, -9, -12, -14, RL

Chemical Name: Dimethyl methyl hydantoinis

Type Product : Microbicide

Product Name : DentoChlor/DentoBrow

Company Name : Glyco

Purpose : Review protocols.

Action Code : 300

EAB #(s) : 5281-5285

Date Received : 2/15/85

TAIS Code: 33

Date Completed: 2/25/85

Reviewing Time: 1.5

*This review was received by the registrant 3-28-85*

Deferrals to:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

1. CHEMICAL: dimethyl/methyl hydroxymethyl, swimming pool disinfectants, cooling water systems/air washers, formulating use.

DantoChlor RW	Reg. #38906-7
DantoChlor	Reg. #38906-9
DantoBrom RW	Reg. #38906-12
DantoBrom	Reg. #38906-14
DantoBrom P	Reg. #38906-RL

For chemical structures see previous review (27 Sep 1984).

2. TEST MATERIAL: DantoChlor/DantoBrom will be tested in the proposed hydrolysis study (protocol attached).
3. STUDY ACTION TYPE: Submission of hydrolysis protocol for review.
4. STUDY IDENTIFICATION: Laboratory hydrolysis study of DANTOCHLOR AND DANTOBROM. Submitted with cover letter from Glyco dated 7 Dec 1984.

5. REVIEWED BY:

Herbert L. Manning  
Microbiologist  
EAB/NEB

Signature: *Herbert L. Manning*  
Date: 26 Feb 1985

6. APPROVED BY:

Samuel M. Creeger  
Chief, Section 1  
EAB/NEB

Signature: *Samuel M. Creeger*  
Date: FEB 26 1985

7. CONCLUSIONS:

The protocol for proposed hydrolysis study follows exactly the recommendations in our Section 161-1 of the Pesticide Assessment Guidelines, Subdivision N, Oct. 1982, except for the fact that all 3 active ingredients are being studied together instead of separately.

8. RECOMMENDATIONS:

EAB approves the protocol of the proposed hydrolysis study, if each individual active ingredient is studied separately.

9. BACKGROUND:

A. Introduction

Glyco is responding to a previous review (12 Sep 1984) in which the data requirement for indirect discharge of a pesticide was stated to be a hydrolysis study. Glyco states in the attached letter that their halogenated hydantoin will be indirectly discharged only, and therefore are submitting for our review a protocol for a hydrolysis study.

B. Direction for Use

See the attached labels.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

A. Study Identification

See section 4.

B. Materials and Methods

See attached protocol.

C. Reported Results

Not applicable.

D. Author's Conclusions

Not applicable- protocol submitted.

E. Reviewer's Comments

Protocol for proposed hydrolysis study is satisfactory, if the 3 active ingredients are studied separately.

11. COMPLETION OF ON-LINER:

Not applicable- protocol submitted.

12. CONFIDENTIAL APPENDIX:

No CBI was included in the package sent to EAB.