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:

Rep./File # : 3P5M-7,-9,-12,-14, RL

Chemical Name: Dimethyl methyl hydantoin

Type Product : Micronocide

Product Name : RactoCide/Portanco

Company Name : Glyco

Purpose : Review protocols.

Action Code : 300
EAB #/s : 5281-5285
Date Received : 2/15/85
TAINS Code: 33
Date Completed: 2/25/85
Reviewing Time: 1.5

This review was received by the Registar 3-28-8

Deferrals to:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch
1. **CHEMICAL**: dimethyl/methyl hydrogen cyanide, containing pool disinfectants, cooling water systems/sprayers, formulating use.

   - DantoChlor RN Reg. #38906-7
   - DantoChlor Reg. #38906-9
   - DantoBrom RN 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 DANTOCHEM AND DANTOBROM. Submitted with cover letter from Glycon dated 7 Dec 1984.

5. **REVIEWED BY**:
   - Herbert L. Mathen
   - Microbiologist
   - EPA, HSE

   **Signature:** [Signature]
   **Date:** [Date]

6. **APPROVED**:
   - Samuel M. Greager
   - Chief, Section 1
   - EPA, HSE

   **Signature:** [Signature]
   **Date:** [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 hydantoins 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. **CONCLUSION OF ON-LINE:**

Not applicable—protocol submitted.

12. **CONFIDENTIAL APPENDIX:**

No CBI was included in the package sent to EAB.