

4/20/87

Shaughnessy No.: 29001

Date Out of EAB: MAR 19 1987

To: Geraldine Werdig  
Product Manager #50  
Registration Division (TS-767C)

From: Emil Regelman, Supervisory Chemist  
Review Section #3  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769C)



Attached, please find the EAB review of...

Reg./File # : 029001

Chemical Name: 1,3-Dichloropropene

Type Product : Nematicide/Fungicide/Insecticide/Herbicide

Product Name : Telone II

Company Name : Dow Chemical Company

Purpose : Requesting extension for anaerobic soil metabolism study

Action Code: 495

EAB #(s) : 06821

Date Received: 8/21/86

TAIS Code: 35

Date Completed: 3/5/87

Total Reviewing Time: 1 day

Monitoring study requested:           

Monitoring study voluntarily:           

Deferrals to:            Ecological Effects Branch

           Residue Chemistry Branch

           Toxicology Branch

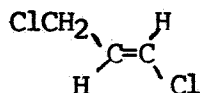
1. CHEMICAL:

Common Name: Dichloropropene

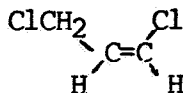
Chemical Name: 1,3-Dichloropropene

Trade Name: Telone II Soil Fumigant

Structure:



(Trans)



(Cis)

Physical/chemical properties:

Molecular weight: 111

Molecular formula:  $C_3H_4Cl_2$

Physical state: Colorless to straw-colored liquid

Vapor pressure: 22 mm at 20°C

Solubility: In water, 0.1%

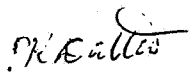
2. TEST MATERIAL: 1,3-Dichloropropene

3. STUDY/ACTION TYPE: No study was submitted. Dow Chemical Co. requested an extension of 3 months in the submission of its study with 1,3-dichloropropene (§162-2).

4. STUDY IDENTIFICATION: N/A

5. REVIEWED BY:

Padma R Datta, Ph.D.  
Chemist  
Review Section #3  
EAB/HED

Signature: 

Date: 3/5/87

6. APPROVED BY:

Emil Regelman  
Supervisory Chemist  
Review Section #3  
EAB/HED

Signature: 

Date: MAR 19 1987

7. CONCLUSIONS: Dow Chemical Co was experiencing difficulty in identifying metabolites of 1,3-dichloropropene. The identification of unknown metabolites can be a time-consuming task. Therefore, an extension of three months (until the end of September, 1986) to complete the anaerobic soil metabolism study with 1,3-dichloropropene is justified and acceptable to the Exposure Assessment Branch.

8. RECOMMENDATION: EAB has no objection to the requested extension for the completion of the anaerobic soil metabolism study for terrestrial use only (§ 162-2).
9. BACKGROUND: On July 5, 1984 the Agency sent a special data "call-in" notice for groundwater, toxicology, residue, and related data for 1,3-dichloropropene. The authority for this notice is under Section 3(c)(2)(B) of FIFRA, 7 U.S.C. Section 136a(c)(2)(B), amended 1972. Some of the environmental fate data requirements under §158.130 and the Pesticide Assessment Guidelines, Subdivision N were included. In this notice, an anaerobic soil metabolism study for terrestrial use only (§162-2) with a 2 year submission schedule (due July 5, 1986), was required. Dow Chemical Co. encountered difficulty in identifying several metabolites detected during the course of this study. In July 86, Dow Chemical Company requested an extension until the end of September 1986 for submission of the anaerobic soil metabolism data. This request did not reach HED until September 10, 1986 with a requested return date of 12/15/86. EAB did not review Dow's extension request until March 1987.
10. DISCUSSION OF INDIVIDUAL TEST OR STUDIES: N/A
11. COMPLETION OF ONE-LINER: N/A
12. CBI APPENDIX: N/A