

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: 009001

Date Out of EAB: JUL 15 1986

To: George T. LaRocca  
Product Manager #15  
Registration Division (TS-767)

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



Attached, please find the EAB review of...

Reg./File # : 359-710  
Chemical Name: Lindane  
Type Product : Insecticide  
Product Name : Lindane HGI  
Company Name : Rhone-Poulenc, Inc  
Purpose : Review of proposed protocol

ACTION CODE: 177 EAB #(s) : 6357  
Date Received: 2/5/86 TAIS Code: 44  
Date Completed: 7/15/86 Total Reviewing Time: 0.5 day  
Monitoring study requested: \_\_\_\_\_  
Monitoring study voluntarily: \_\_\_\_\_

Deferrals to: \_\_\_\_\_ Ecological Effects Branch  
\_\_\_\_\_ Residue Chemistry Branch  
\_\_\_\_\_ Toxicology Branch

# REGISTRATION DIVISION DATA REVIEW RECORD

*Confidential Business Information - Does Not Contain National Security Information (E.O. 12065)*

<b>1. CHEMICAL NAME</b>			
<b>2. IDENTIFYING NUMBER</b>	<b>3. ACTION CODE</b>	<b>4. ACCESSION NUMBER</b>	<b>TO BE COMPLETED BY PM</b>
			<b>5. RECORD NUMBER</b>
			<b>6. REFERENCE NUMBER</b>
			<b>7. DATE RECEIVED (EPA)</b>
			<b>8. STATUTORY DUE DATE</b>
			<b>9. PRODUCT MANAGER (PM)</b>
			<b>10. PM TEAM NUMBER</b>

<b>14. CHECK IF APPLICABLE</b>	<b>TO BE COMPLETED BY PCB</b>
<input type="checkbox"/> Public Health/Quarantine <input type="checkbox"/> Minor Use <input type="checkbox"/> Substitute Chemical <input type="checkbox"/> Part of IPM <input type="checkbox"/> Seasonal Concern <input type="checkbox"/> Review Requires Less Than 4 Hours	<b>11. DATE SENT TO HED/TSS</b>
	<b>12. PRIORITY NUMBER</b>
	<b>13. PROJECTED RETURN DATE</b>

<b>15. INSTRUCTIONS TO REVIEWER</b>	<b>F. INSTRUCTIONS</b>
<b>A. HED</b> <input type="checkbox"/> Total Assessment - 3(c)(5) <input type="checkbox"/> Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977. <b>B. SPRD.</b> (Send Copy of Form to SPRD PM) <input type="checkbox"/> Chemical Undergoing Active RPAR Review <input type="checkbox"/> Chemical Undergoing Active Registration Standards Review	<b>C. <input type="checkbox"/> BFS</b> <b>D. <input type="checkbox"/> TSS/RD</b> <b>E. <input type="checkbox"/> Other</b>

<b>16. RELATED ACTIONS</b>

<b>17. 3(c)(1)(D)</b>	<b>18. REVIEWS SENT TO</b>
<input type="checkbox"/> Use Any or All Available Information <input type="checkbox"/> Use Only Attached Data <input type="checkbox"/> Use Only the Attached Data for Formulation and Any or All Available Information on the Technical or Manufacturing Chemical.	<input type="checkbox"/> TB <input type="checkbox"/> EEB <input type="checkbox"/> EF <input type="checkbox"/> PL <input type="checkbox"/> RCB <input type="checkbox"/> EFB <input type="checkbox"/> CH <input type="checkbox"/> BFS

	19. To	TYPE OF REVIEW	NUMBER OF ACTIONS								
			Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other	
HED		TOXICOLOGY									
		ECOLOGICAL EFFECTS									
		RESIDUE CHEMISTRY									
		ENVIRONMENTAL DATA									
RD/TSS		CHEMISTRY									
		EFFICACY									
		PRECAUTIONARY LABELING									
BFS		ECONOMIC ANALYSIS									

<b>20.</b> <input type="checkbox"/> Label Submitted with Application Attached	<b>21.</b> <input type="checkbox"/> Confidential Statement of Formula	<b>22.</b> <input type="checkbox"/> Representative Labels Showing Accepted Uses Attached	<b>23.</b> Date Returned to RD (to be completed by HED)	<b>24.</b> Include an Original and 4 (four) Copies of This Completed Form for Each Branch Checked for Review.
---	---	--	---	---

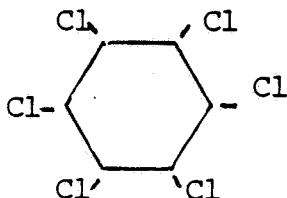
1. CHEMICAL:

Common Name: Lindane

Chemical Name: Gamma isomer of 1, 2, 3, 4, 5, 6, - hexchlorocyclohexane

Trade Name: Lindane HGI, et al. See Farm Chemicals Handbook

Structure:



Chemical Properties:

Must not contain less than 99.5% of the gamma isomer of BHC (hexachlorocyclohexane).

2. TEST MATERIAL:

No tests were run.

3. STUDY ACTION TYPE:

Review of protocol

4. STUDY IDENTIFICATION:

Draft Protocol Outline for Lindane Aquatic Residue Monitoring Study. Ref. 86/BHL/027/AG. Prepared by: A. Guardigli, Rhone-Poulenc, Inc. Jan. 1986.

5. REVIEWED BY:

Hudson Boyd  
Chemist, Review Section #3  
EAB/HED/OPP

Signature: Hudson Boyd

Date: 7-15-86

6. APPROVED BY:

Emil Regelman  
Supervisory Chemist  
Review Section #3  
EAB/HED/OPP

Signature: Emil Regelman

Date: \_\_\_\_\_

7. CONCLUSION:

- 7.1 The protocol submitted would not meet EPA Guidelines Subdivision N, Sec. 165-4 (Accumulation in Fish) or Sec. 165-5 (Accumulation Studies of Aquatic Non-Target Organisms.).
- 7.2 The Exposure Assessment Branch does not believe that the protocol meets EPA Guidelines Subdivision E, Sec. 72-6 (Aquatic Organism Accumulation Tests) but defers to the Ecological Effects Branch if their determination is desired.

8. RECOMMENDATIONS:

Do not accept the proposed protocol for testing required to fulfill the data gap identified in TABLE A, Sec. 165-4, 5, Environmental Fate Studies, and do not grant the three month extension of time requested to submit the required data.

9. BACKGROUND:

The guidance document for the reregistration of lindane identified studies of accumulation in fish as being lacking and gave the registrant 12-months to perform those studies and to submit data. The registrant has submitted a draft protocol which does not comply with either Sec. 165-4 of Subdivision N nor with Sec. 72-6 of Subdivision E, and through their counsel requested a 3-month extension in time for completing the studies and submitting data.

10. DISCUSSION OF INDIVIDUAL TESTS OF STUDIES:

No tests were made.  
Refer to the protocol attached.

11. COMPLETION OF ONE-LINER:

One liner not updated

12. CBI APPENDIX:

No CBI is appended.