

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

900 AA

MEMORANDUM

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

June 28, 1983

TO: Jay Ellenberger, PM 12  
Registration Division (TS-767)

SUBJECT: Thiodicarb/Acetamide Residues and Corrected  
Risk Calculations PP #3F2773

Upon consideration of the corrected RCB review of the thiodicarb/acetamide residue ratios submitted by Union Carbide, the risk analysis should be corrected. The present risk analysis for thiodicarb assumes a one-to-one conversion and residue ratio. Instead, we can use the 306:1 ratio, which corrects the TMRC risk as follows:

$$\text{Tolerance} \times 2/0 \text{ Food Factor} \times \left( \frac{1.5 \text{ kg/d}}{60 \text{ kg person}} \right) / 306 = 2.34 \times 10^{-6}$$
$$2.34 \times 10^{-6} \text{ (Q* of } 3.07 \times 10^{-3}) = 7 \times 10^{-9}$$

The resulting probability of risk due to acetamide, if present at all, would then be  $7 \times 10^{-9}$ . This risk has never formerly been objectionable.

Based on these considerations, the Toxicology Branch has no objections to this petition.

*Christine F. Chaisson*  
for Christine F. Chaisson, Ph.D.  
Acting Chief  
Toxicology Branch  
Hazard Evaluation Division

cc:  
Caswell File ✓  
JMelone

110 DICKINSON (900 RA)

6-11-83  
 6-11-83

1. NUMBER	3. ACTION CODE	4. ACCESSION NUMBER	TO BE COMPLETED BY PM
3F2773	233		5. RECORD NUMBER 9914
			6. REFERENCE NUMBER
			7. DATE RECEIVED (EPA) 5-31-83
			8. STATUTORY DUE DATE
			9. PRODUCT MANAGER (PM) Ellen Berger
			10. PM TEAM NUMBER 12

4. CHECK IF APPLICABLE

<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

HMB

TO BE COMPLETED BY PCB
11. DATE SENT TO HED/TSS 6-8-83 + 14
12. PRIORITY NUMBER 48
13. PROJECTED RETURN DATE 8-15-83

5. INSTRUCTIONS TO REVIEWER

A. HED  Total Assessment - 3(c)(5)  
 Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977.

B. SPRD (Send Copy of Form to SPRD PM)  
 Chemical Undergoing Active RPAR Review  
 Chemical Undergoing Active Registration Standards Review

C.  BFSD  
 D.  TSS/RD  
 E.  Other

F. INSTRUCTIONS

6. RELATED ACTIONS

3(c)(1)(D)

<input type="checkbox"/> Use Any or All Available Information	<input type="checkbox"/> Use Only Attached Data	18. REVIEWS SENT TO			
<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"/> BFSD

TYPE OF REVIEW	NUMBER OF ACTIONS							
	Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
TOXICOLOGY <i>Chow CHAISSON</i>		1						
ECOLOGICAL EFFECTS								
RESIDUE CHEMISTRY								
ENVIRONMENTAL DATA								
CHEMISTRY								
EFFICACY								
PRECAUTIONARY LABELING								
ECONOMIC ANALYSIS								3

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